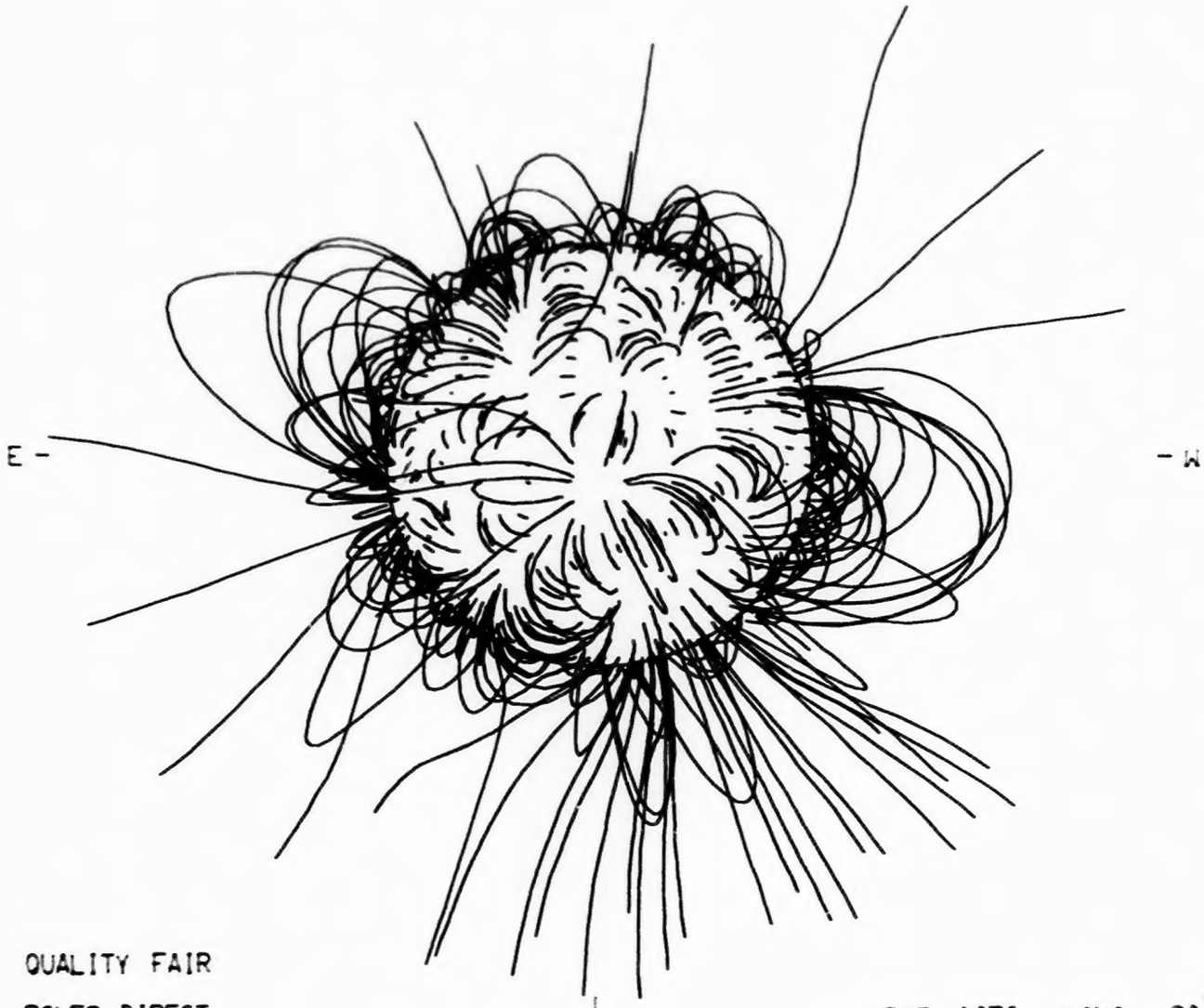
REEL 2

ROT. 1436 - ROT. 1456

29 JAN 1961 - 27 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

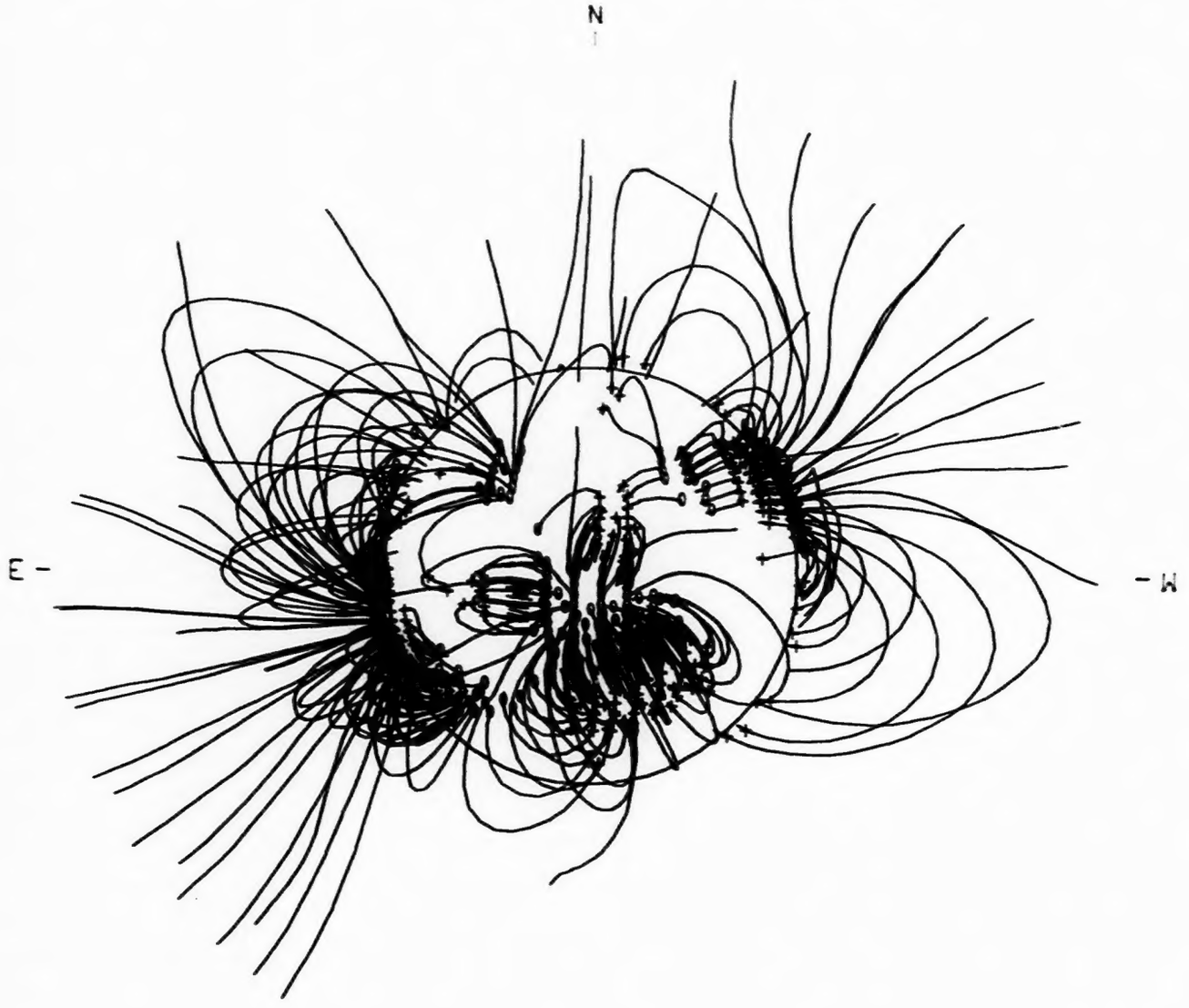
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1436 LONG. 80°

29.2 JAN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

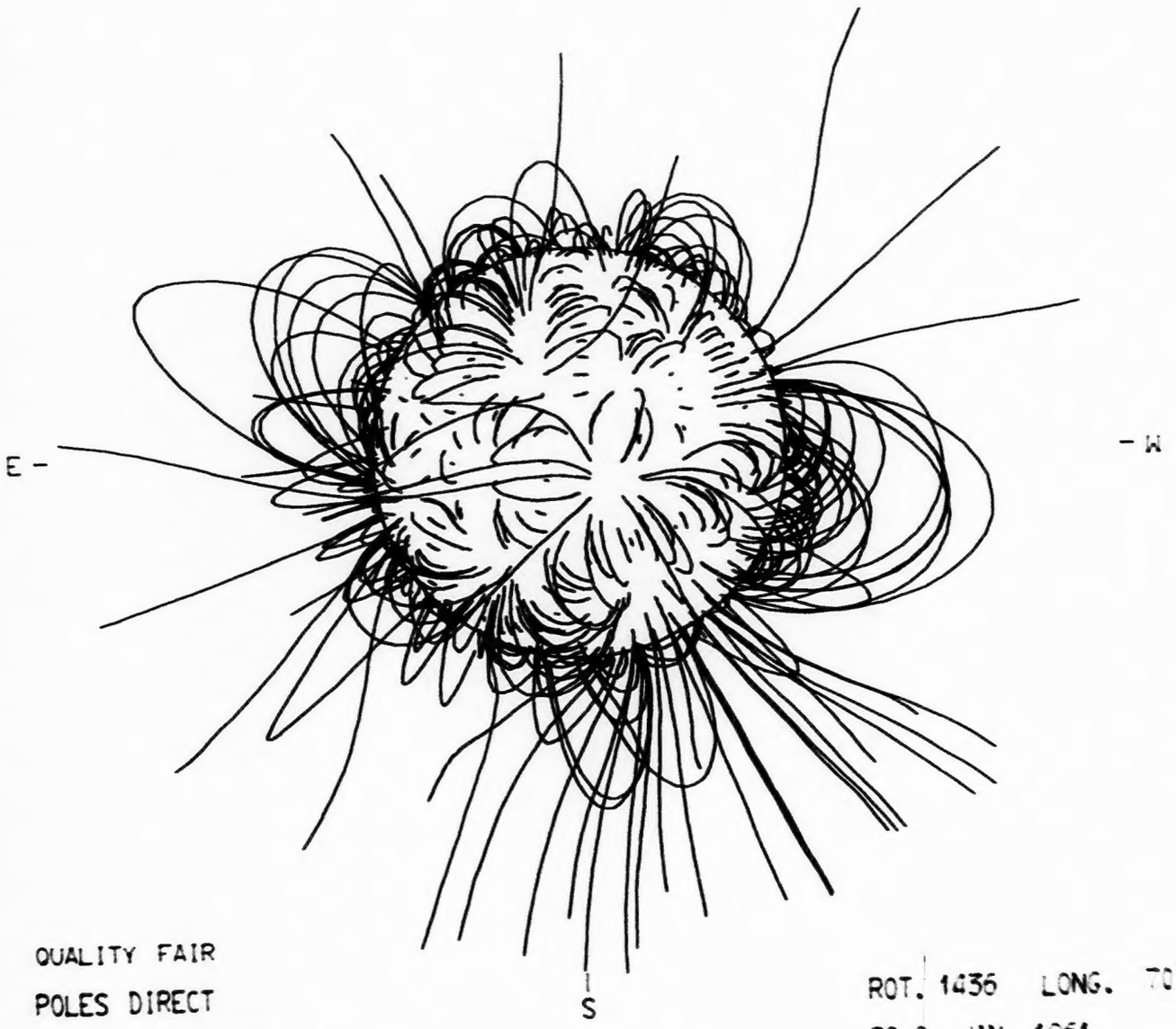
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1436 LONG. 80°

29.2 JAN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1436.47

ROT. 1436 LONG. 70°

29.9 JAN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

QUALITY FAIR
POLES DIRECT
DATA WINDOW 1436.47

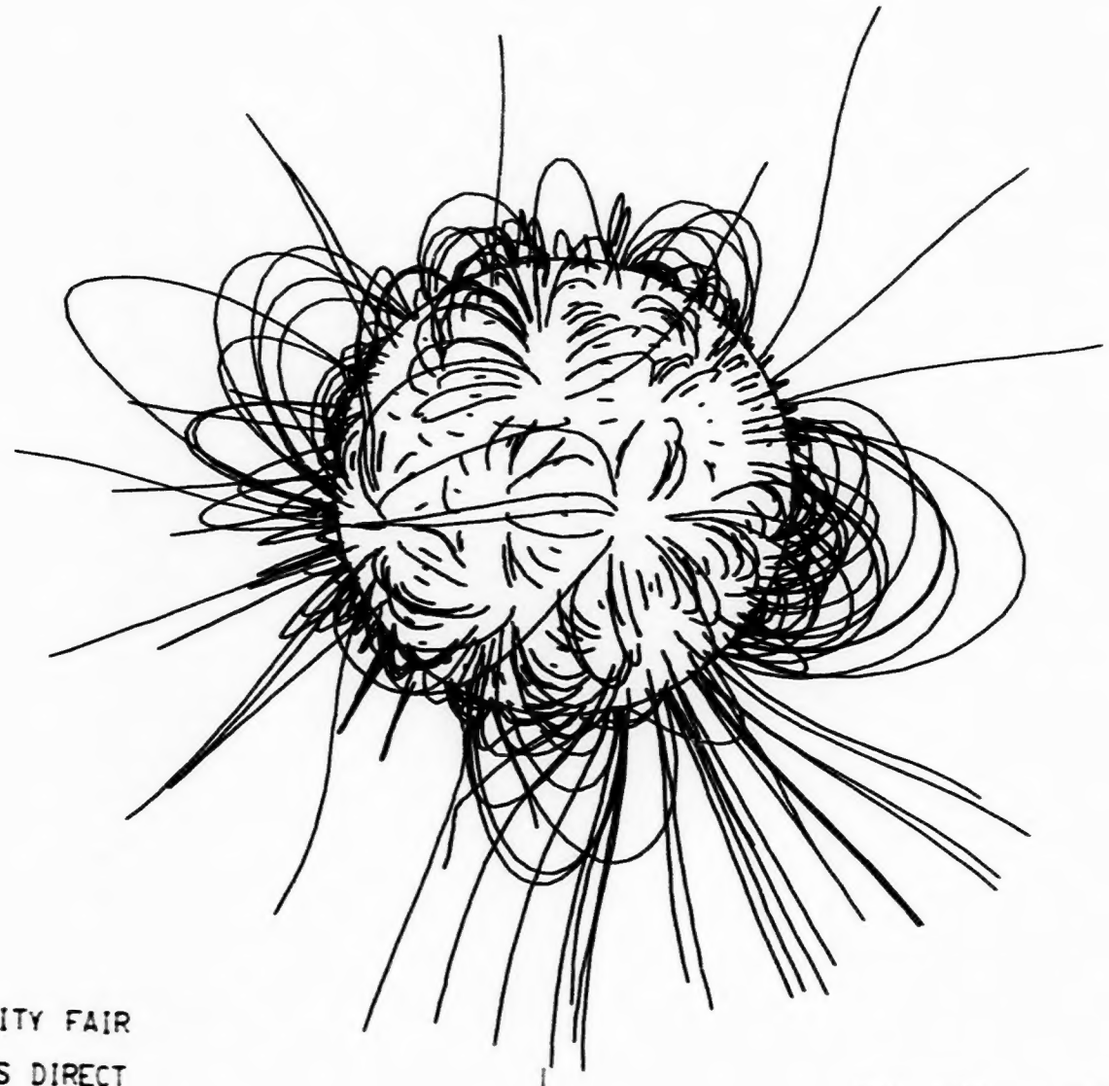
ROT. 1436 LONG. 70°
29.9 JAN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY FAIR

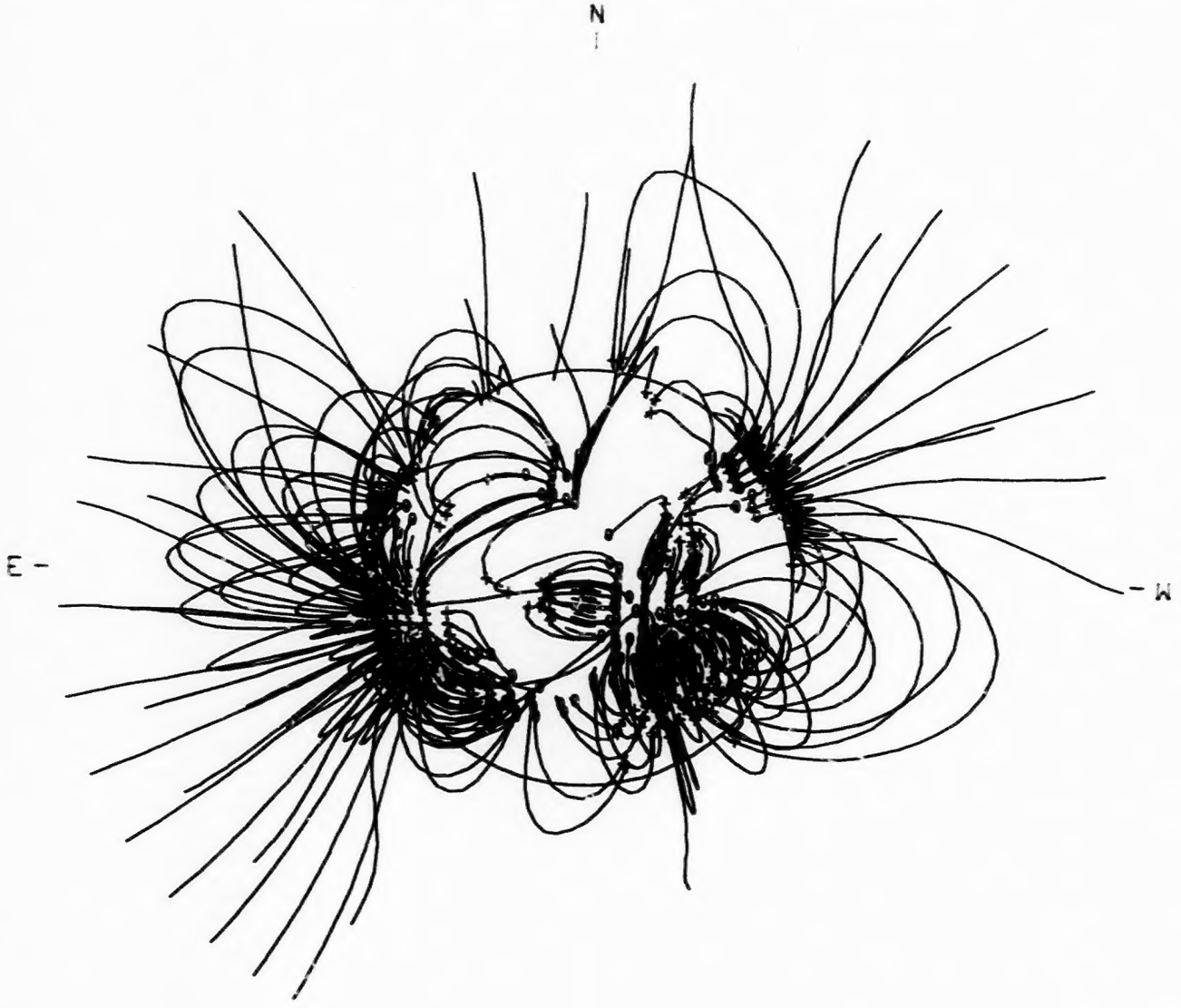
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1436 LONG. 60°

30.7 JAN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1436.47

ROT. 1436 LONG. 60°

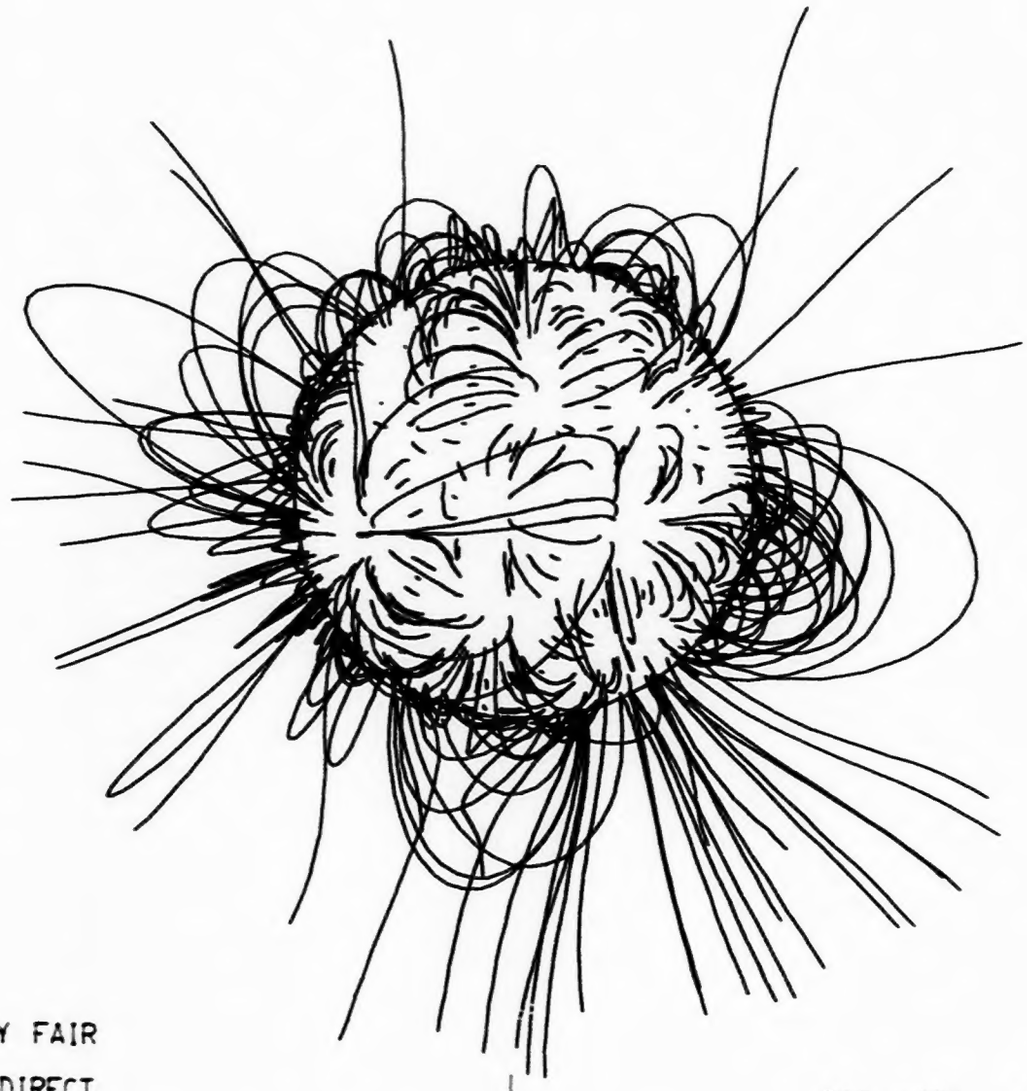
30.7 JAN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY FAIR

POLES DIRECT

DATA WINDOW 1436.47

ROT. 1436 LONG. 50°

31.5 JAN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

QUALITY FAIR

POLES DIRECT

DATA WINDOW 1436.47

S

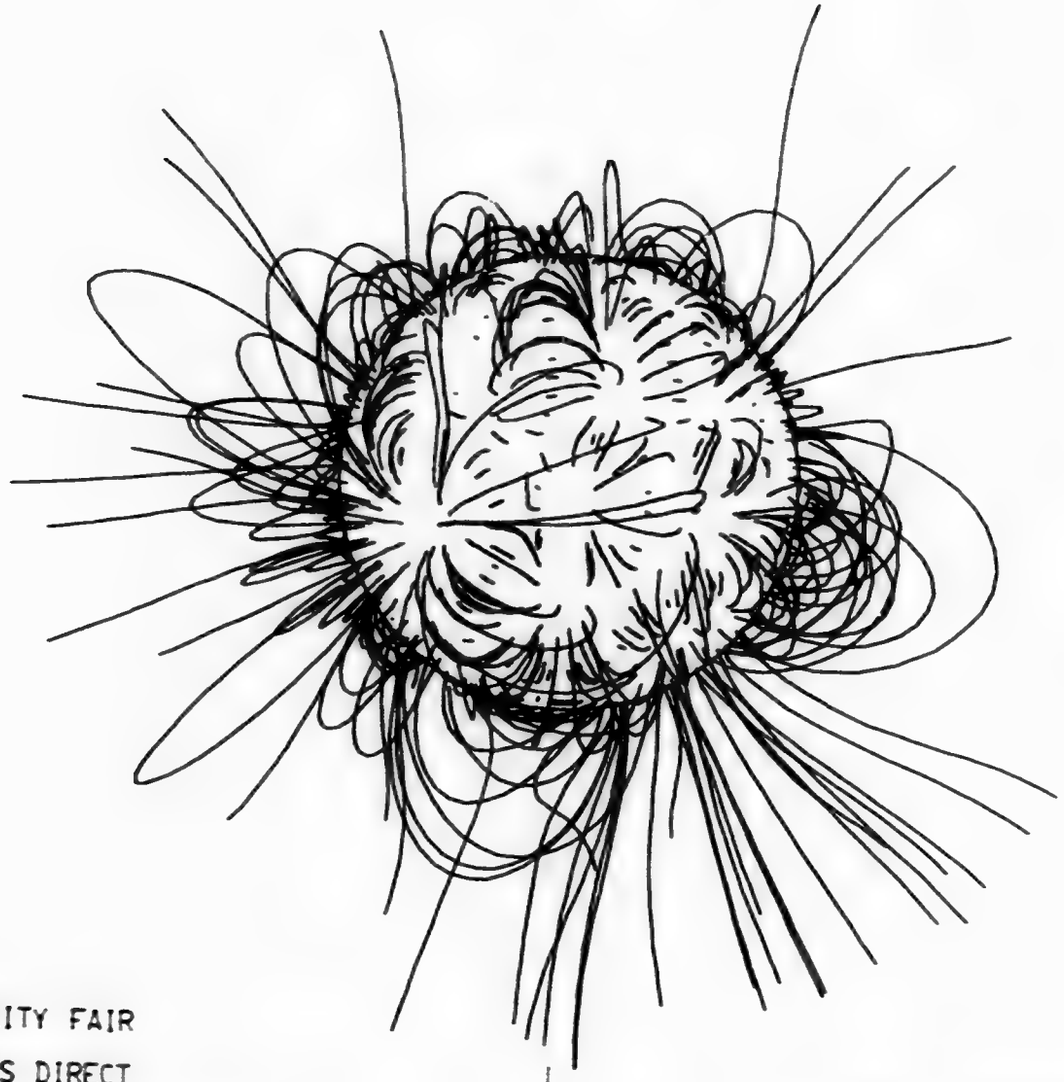
ROT. 1436 LONG. 5[illegible]°

31.5 JAN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY FAIR

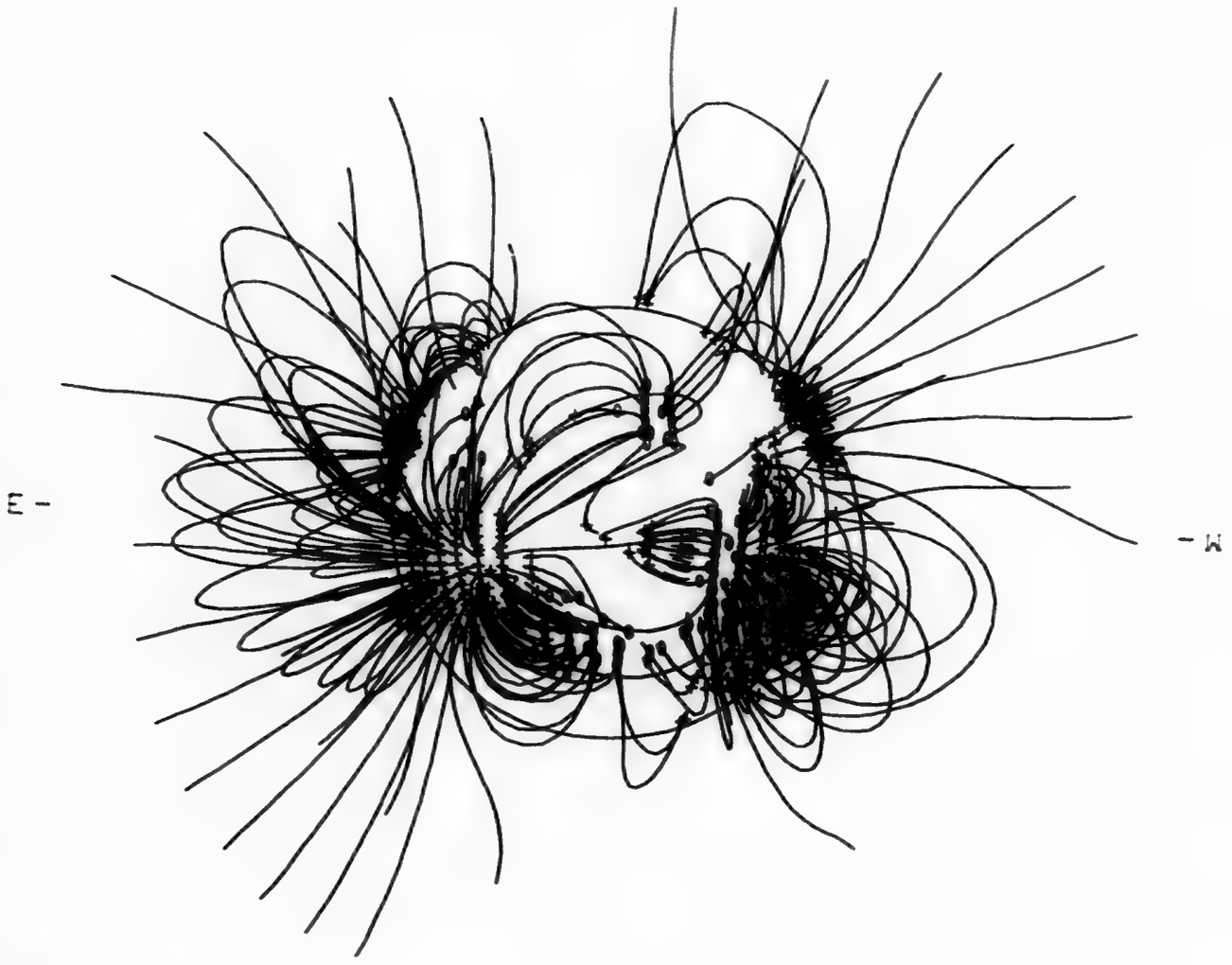
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1436 LONG. 22°

1.2 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

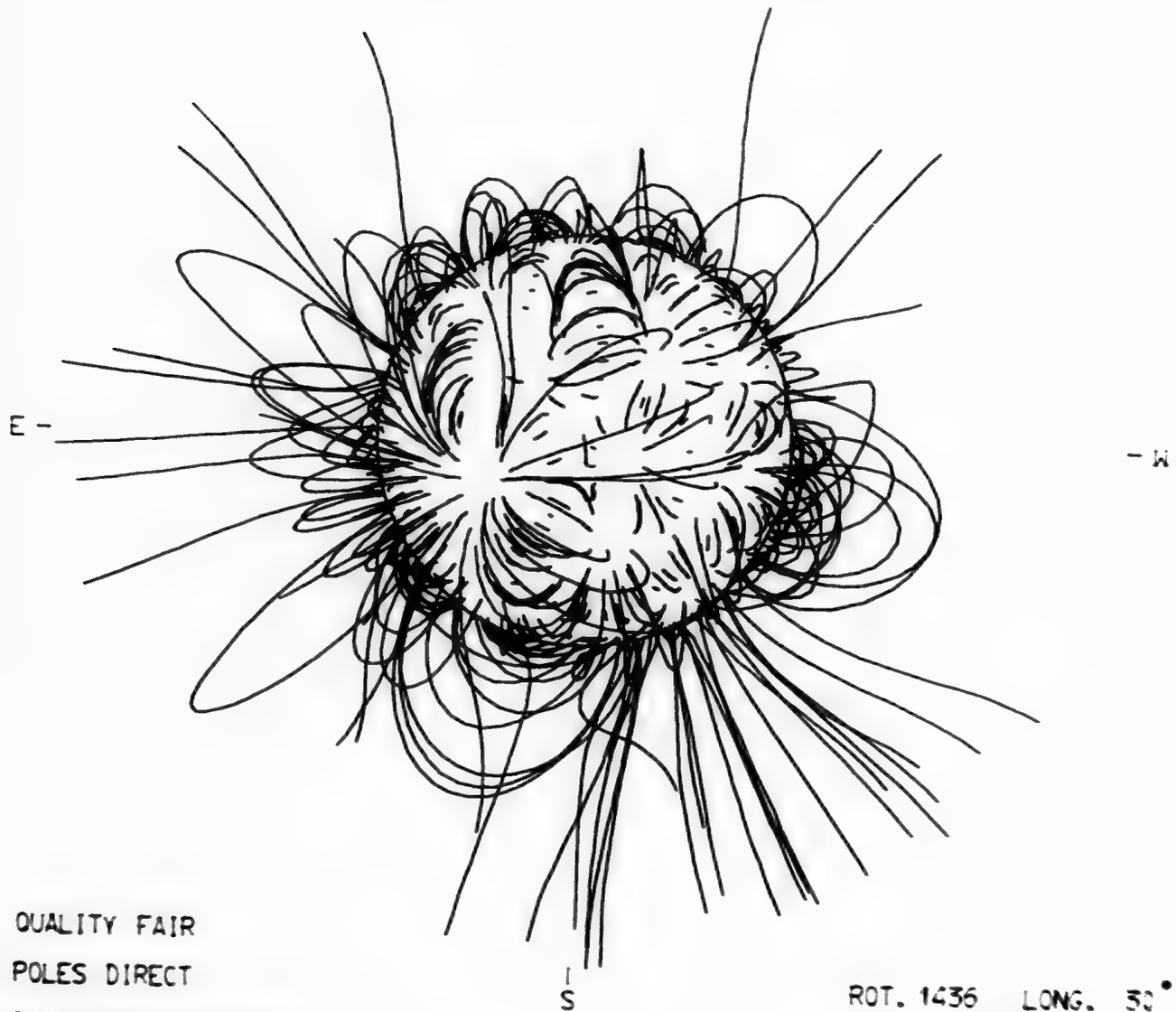
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1436 LONG. 4[illegible]°

12 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

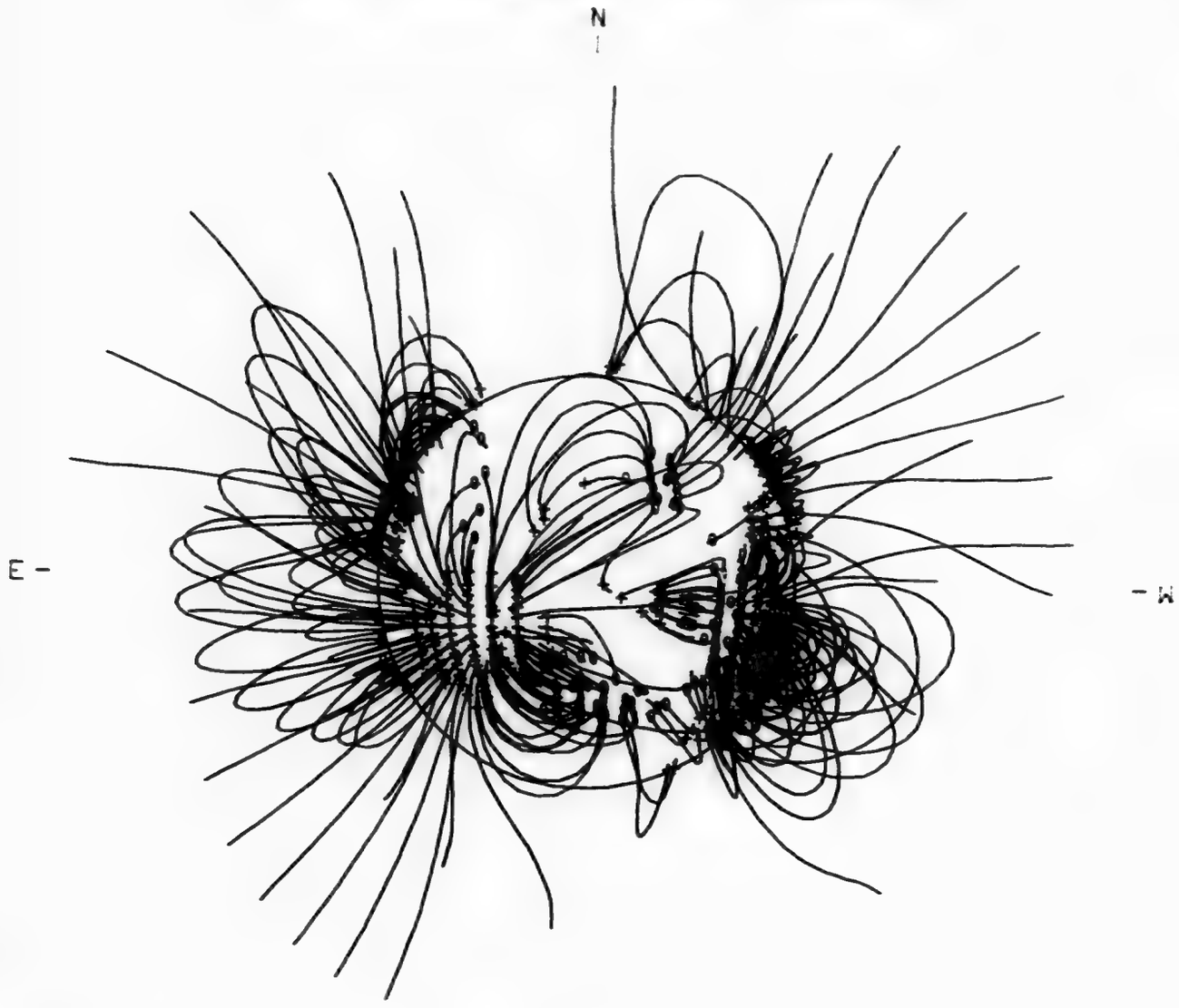
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1436 LONG. 3[illegible]°

2.0 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

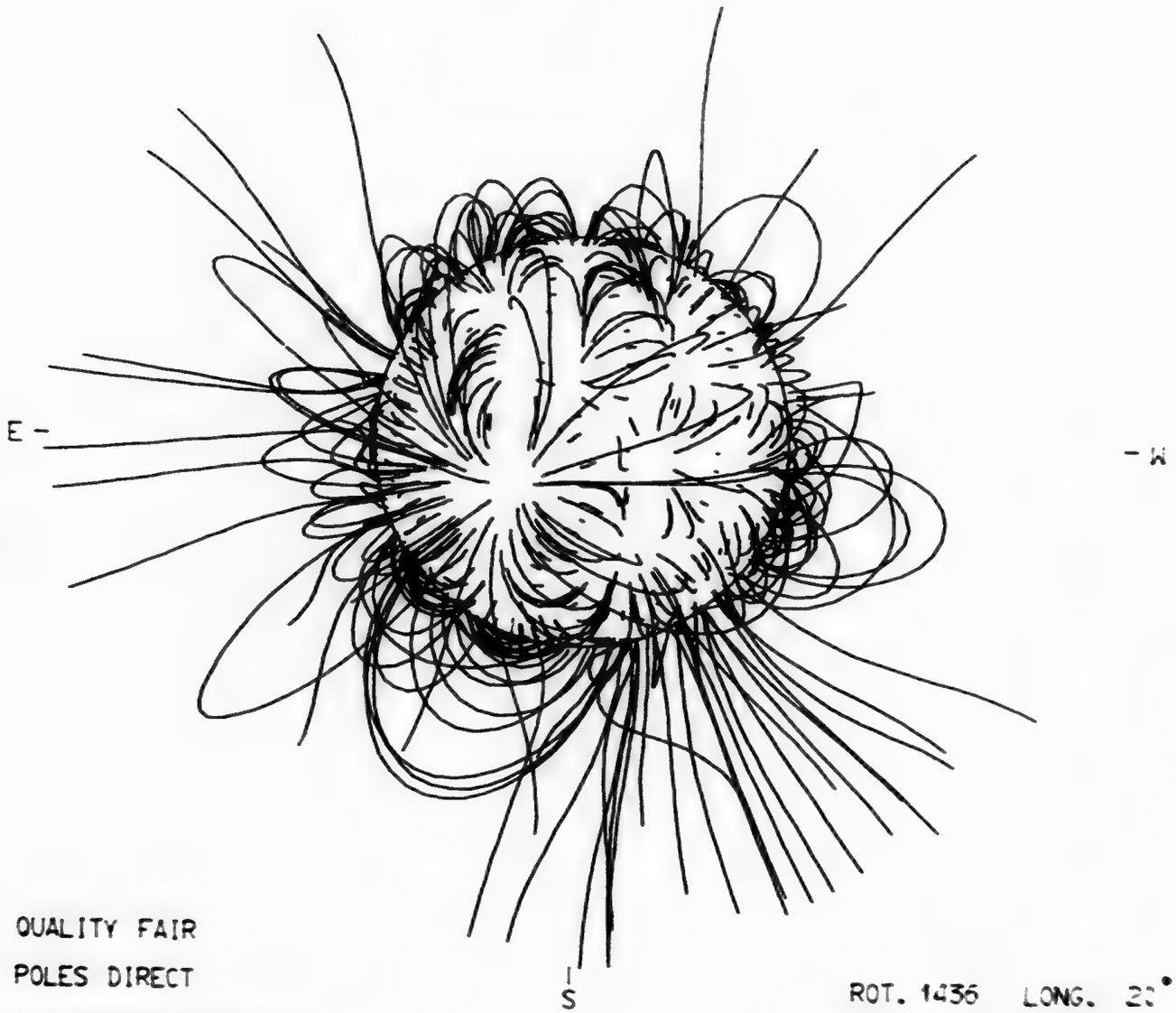
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1436 LONG. 3[illegible]°

2.0 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

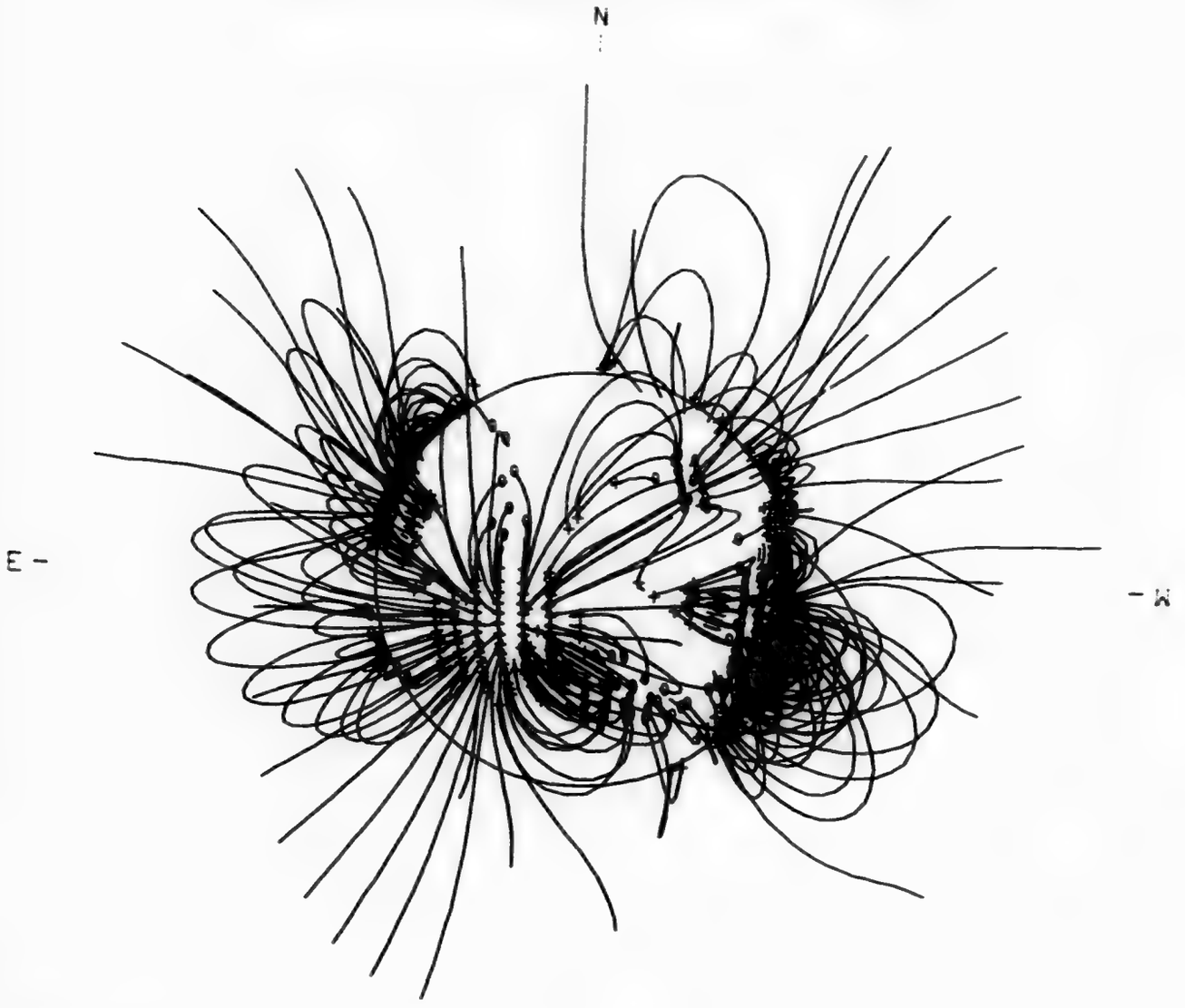
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1436 LONG. 2[illegible]°

27 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

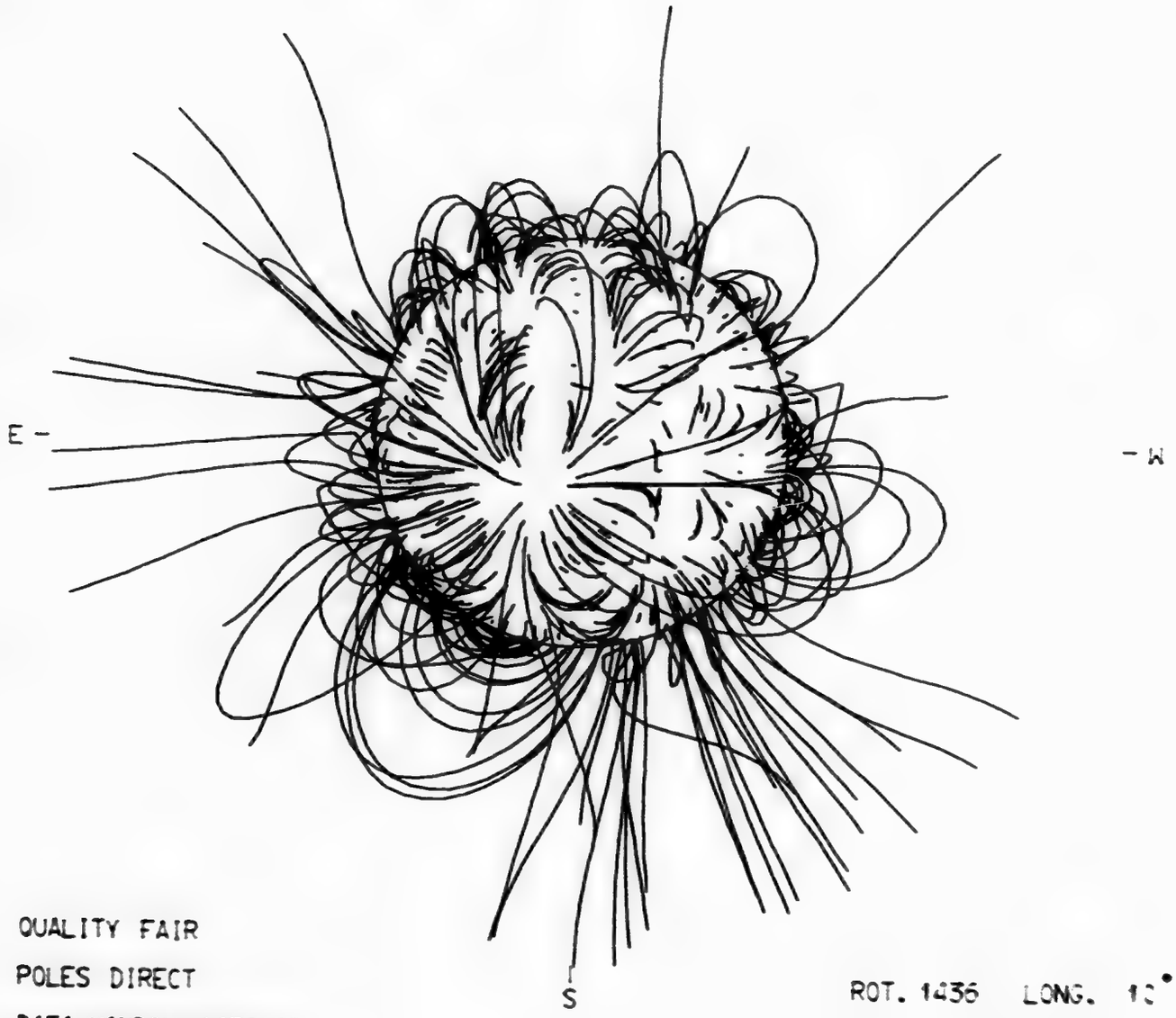
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1436 LONG. 20°

27 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

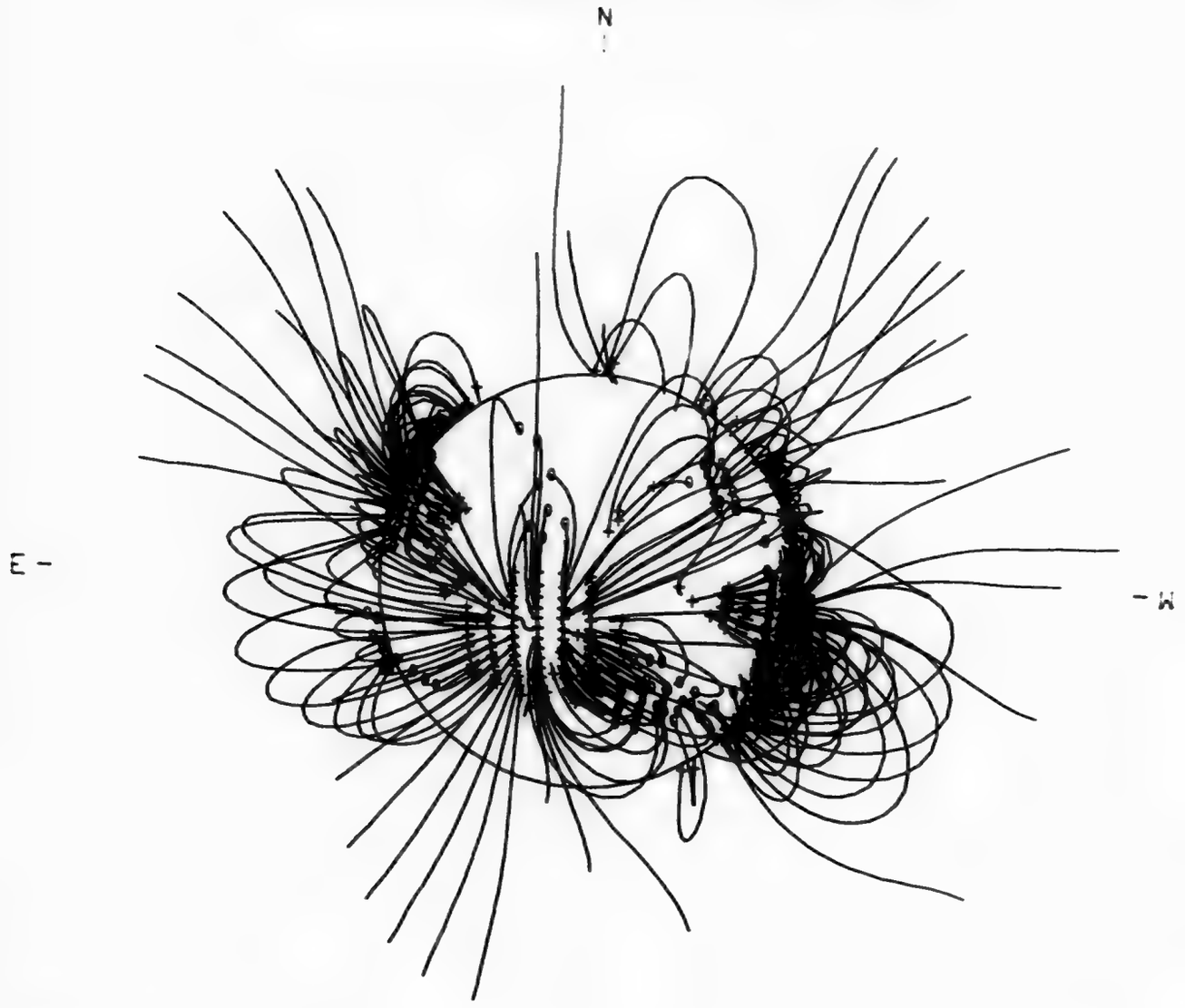
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1436 LONG. 1[illegible]°

3.5 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

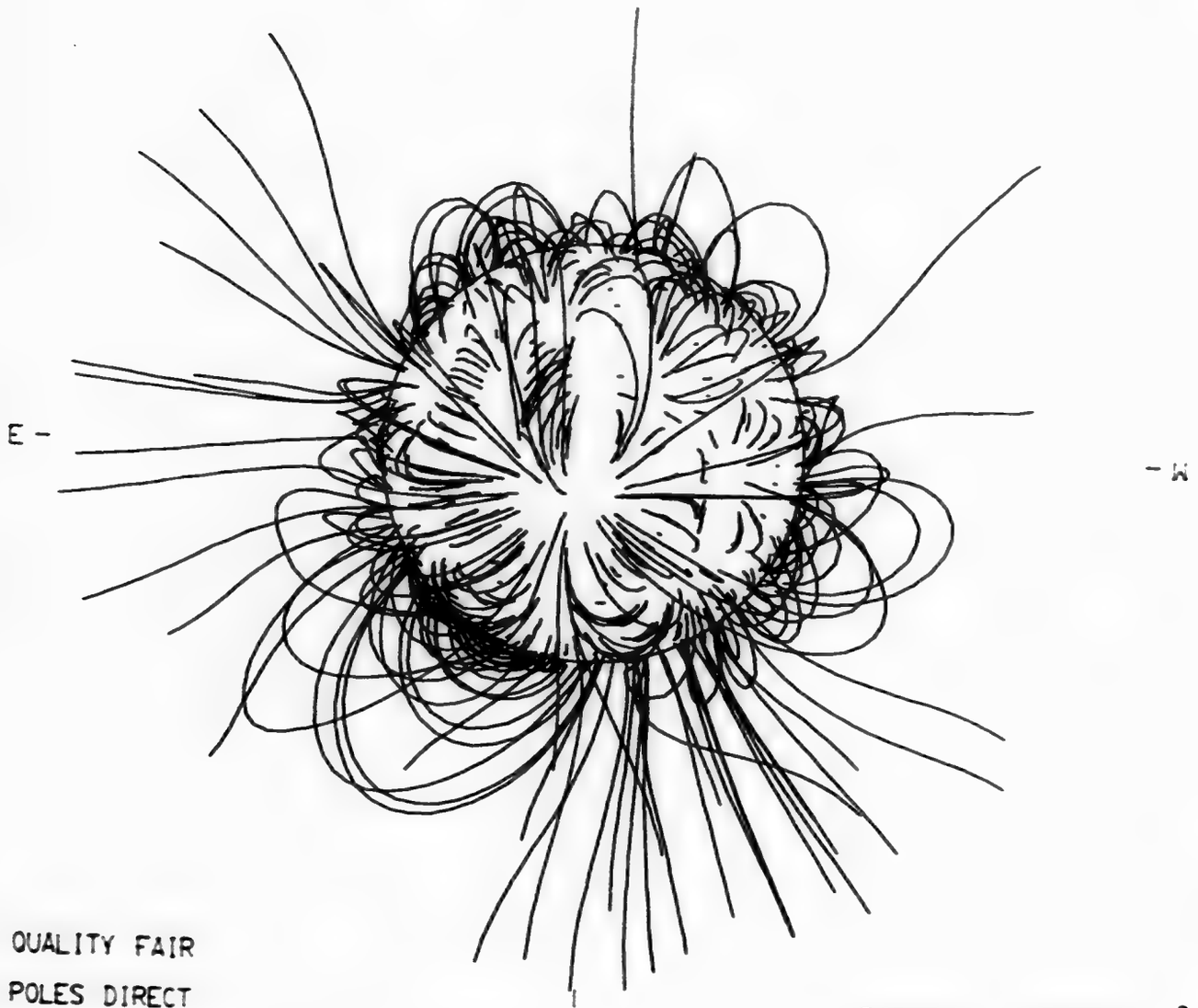
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1436 LONG. 1[illegible]°

3.5 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

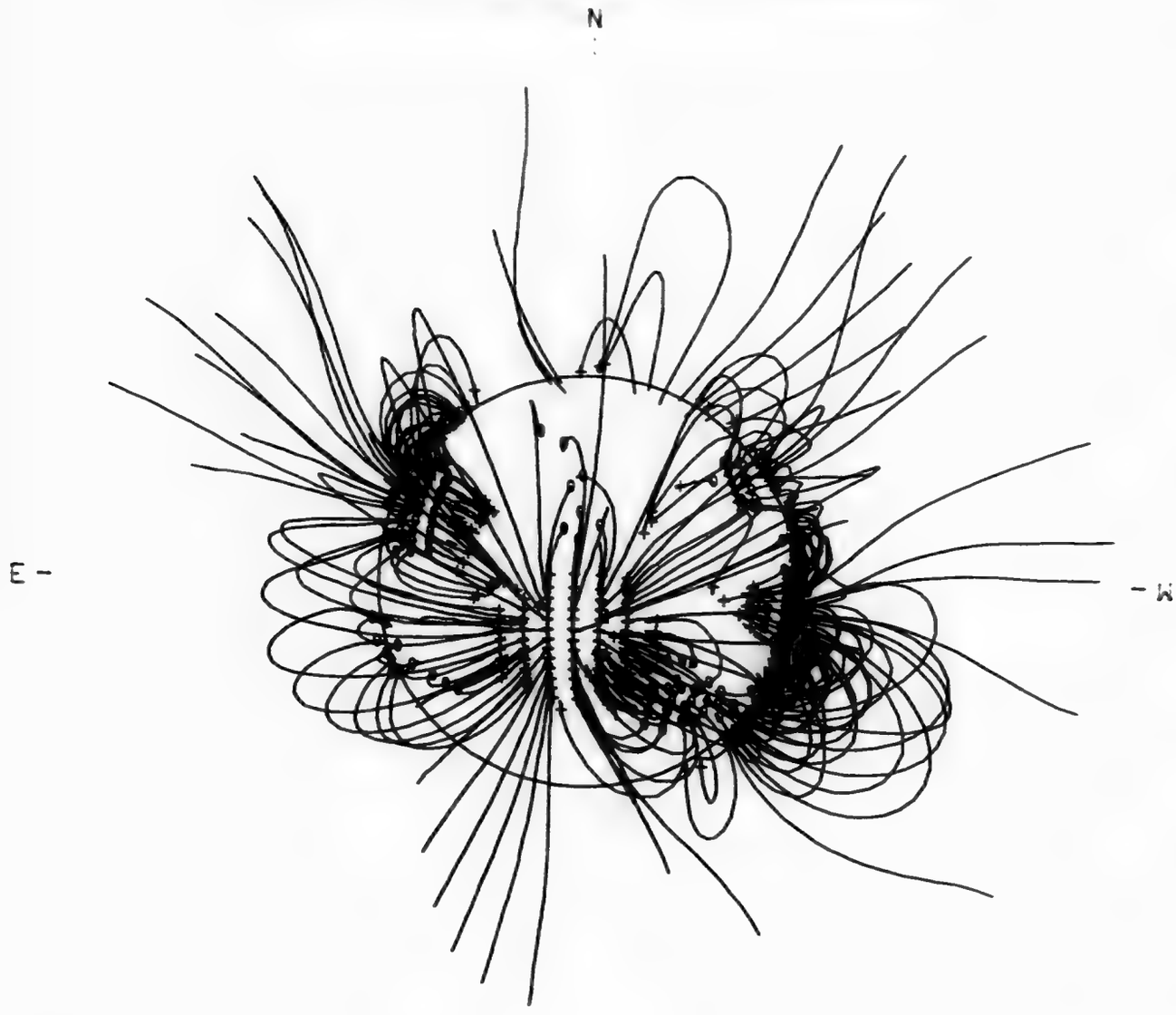
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1436 LONG. 0°

4.3 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

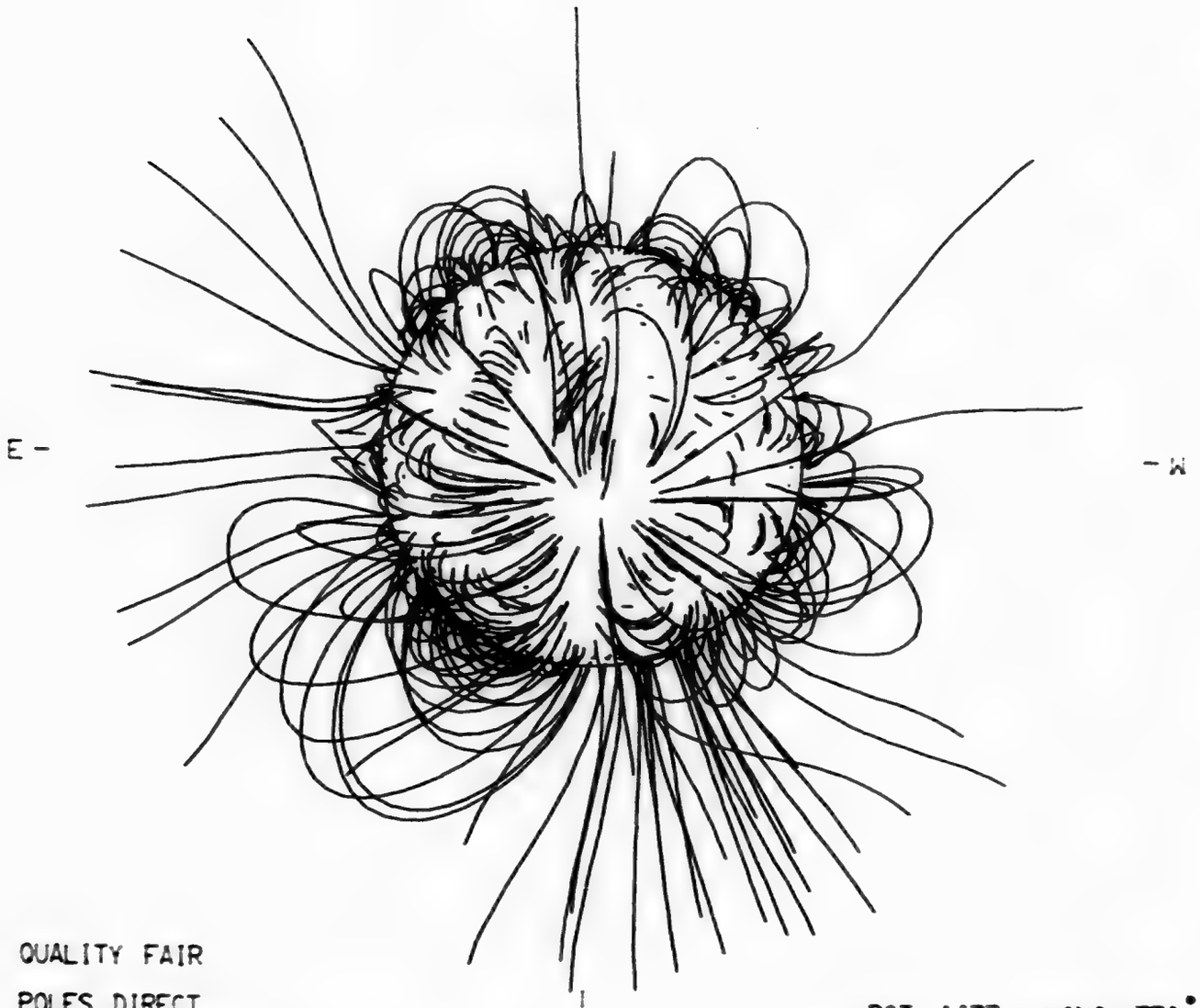
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1436 LONG. 3°

4.3 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1436.47

ROT. 1437 LONG. 35[illegible]°

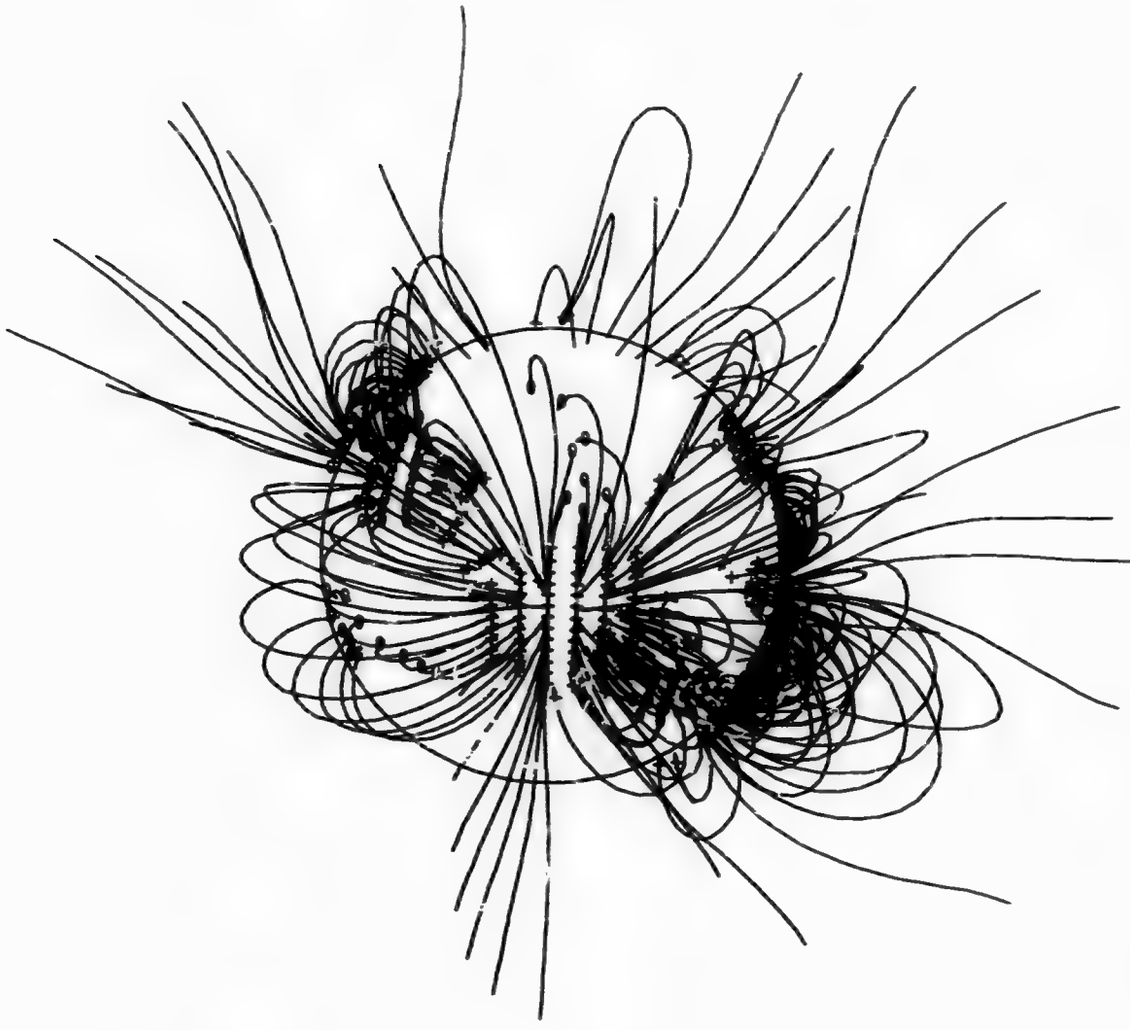
5.0 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E –

– W



S

QUALITY FAIR

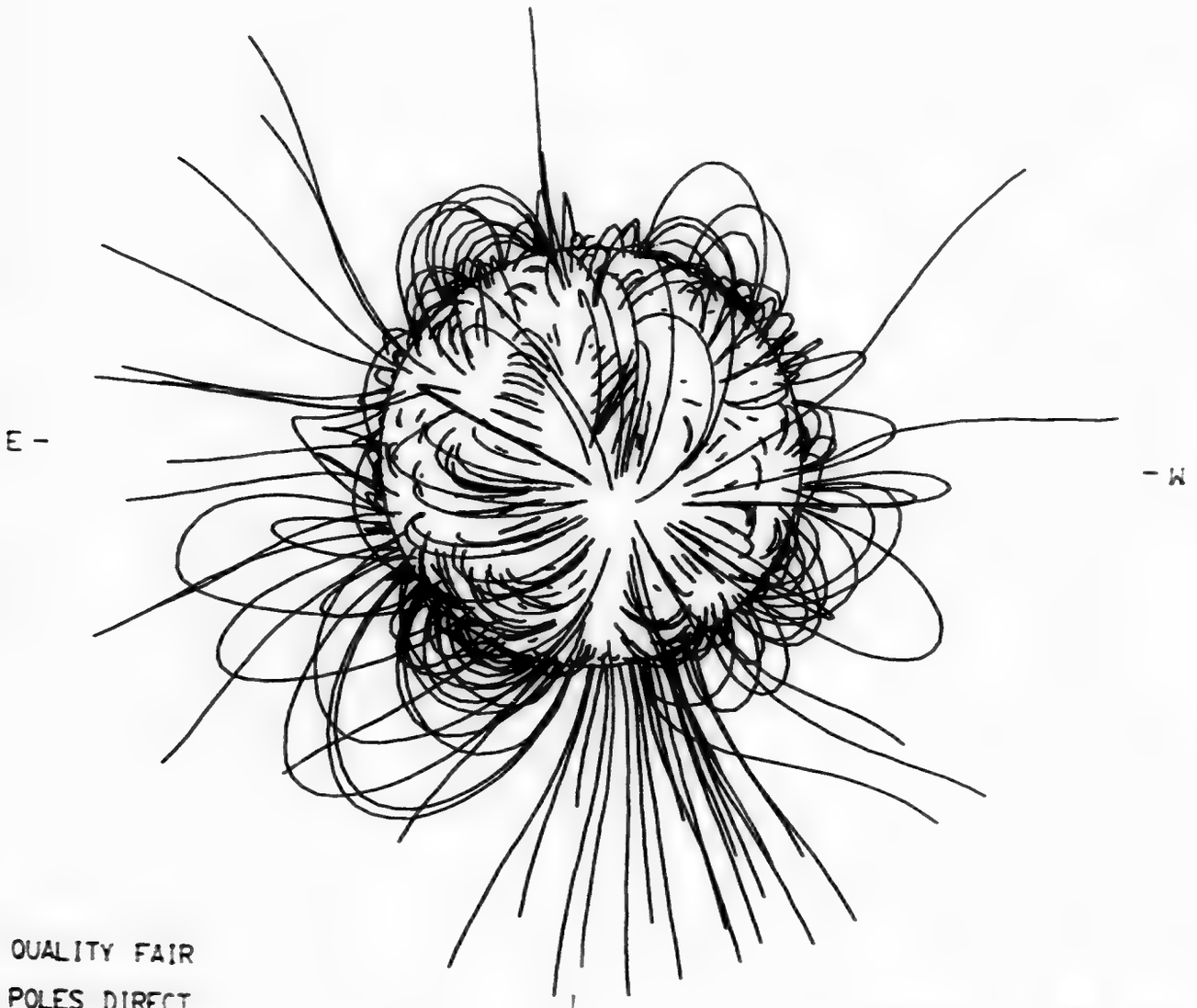
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1437 LONG. 350°

5.0 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

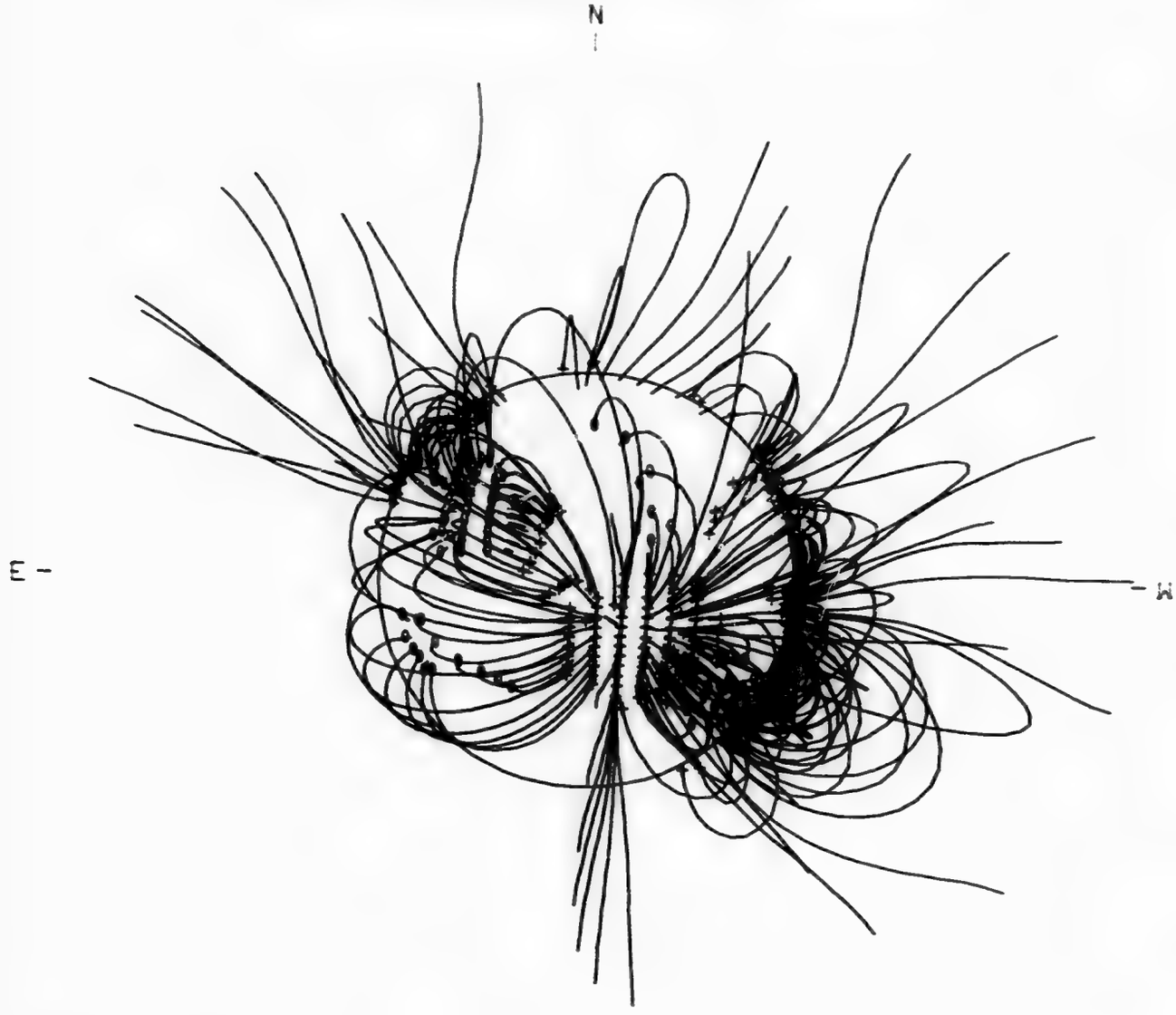
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1437 LONG. 3[illegible]°

5.8 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

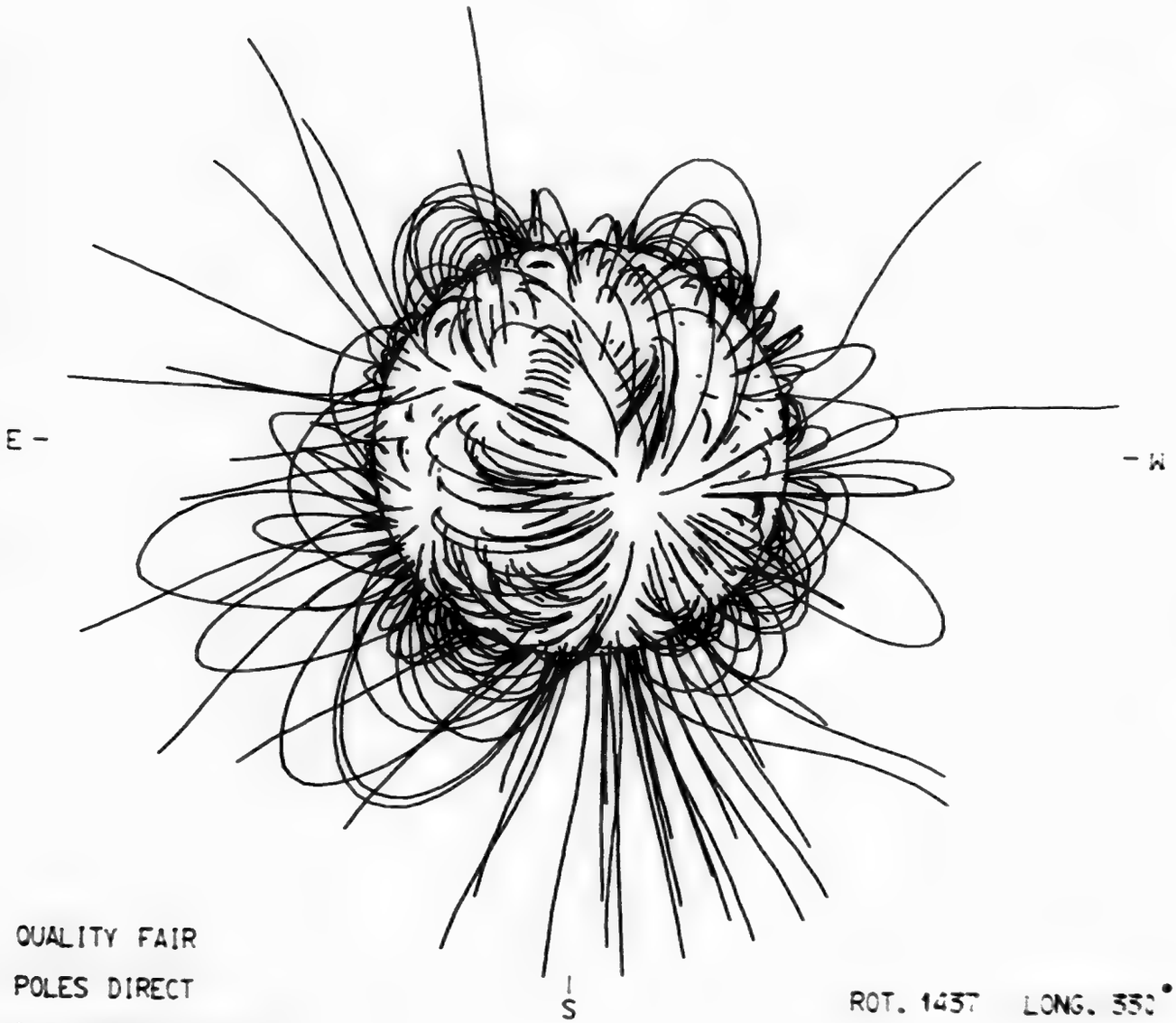
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1437 LONG. 34.3°

5.8 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

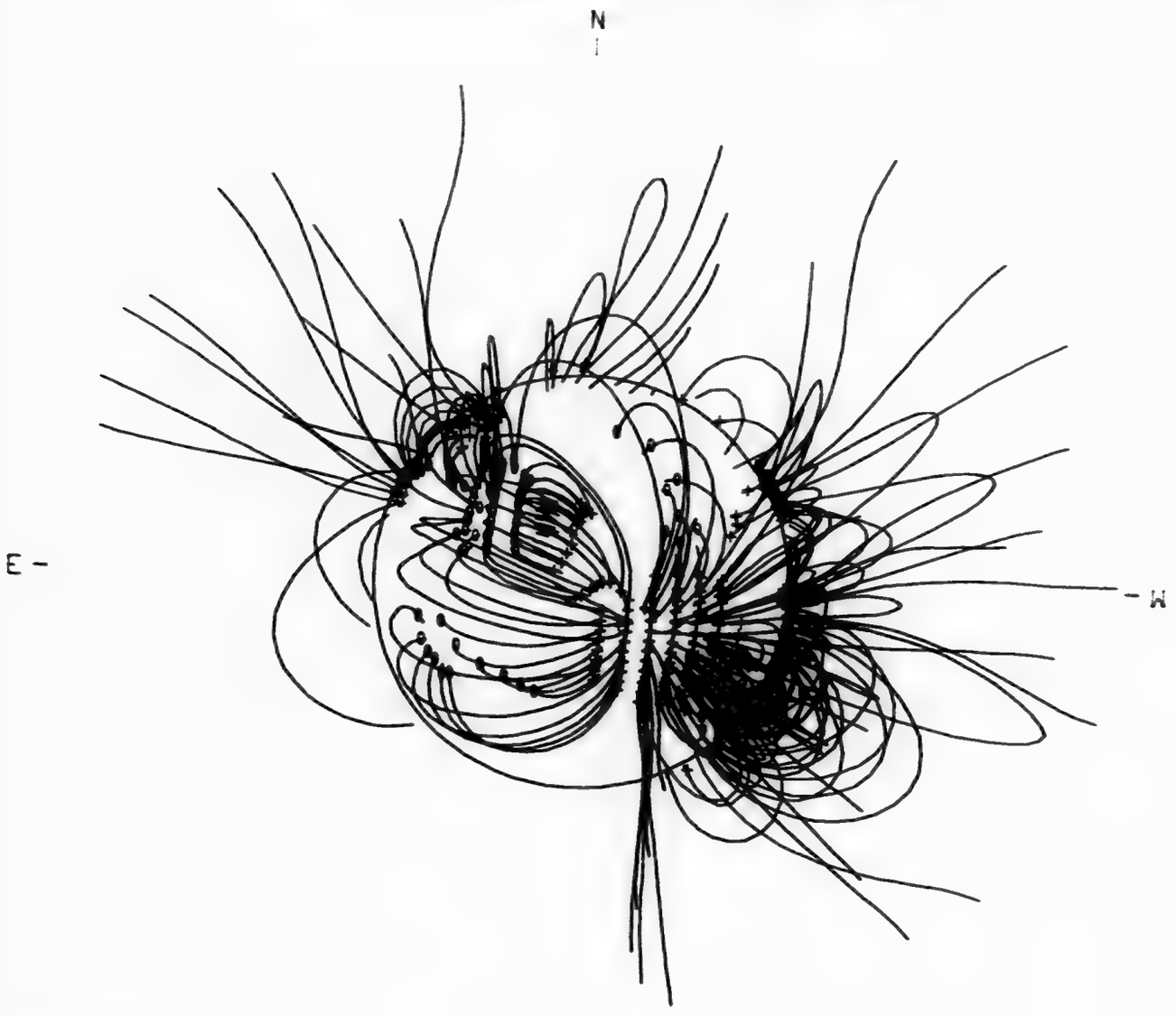
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1437 LONG. 33[illegible]°

6.5 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

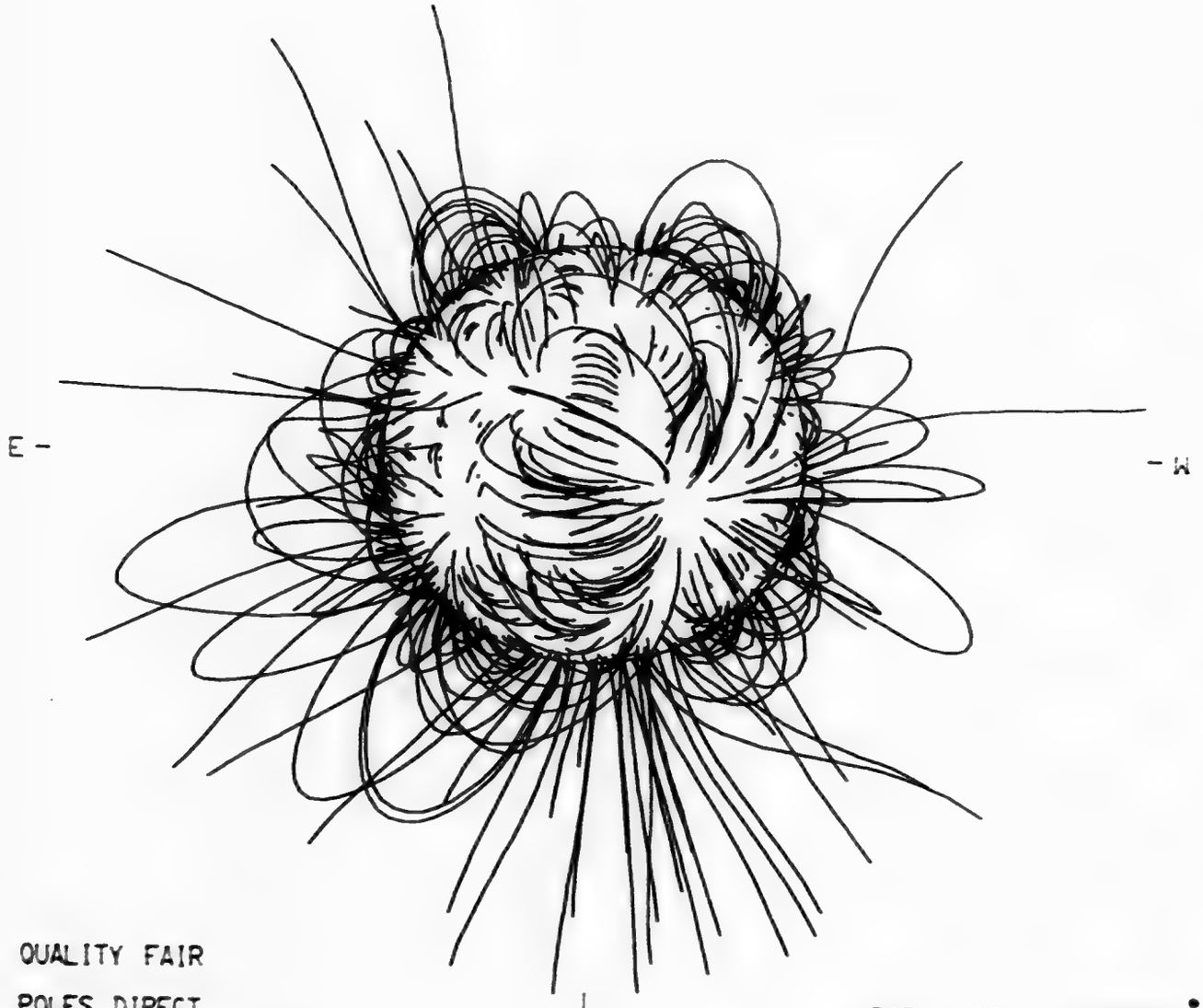
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1437 LONG. 33[illegible]°

6.5 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1436.47

ROT. 1437 LONG. 32[illegible]°

7.3 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E –

– W

S

QUALITY FAIR

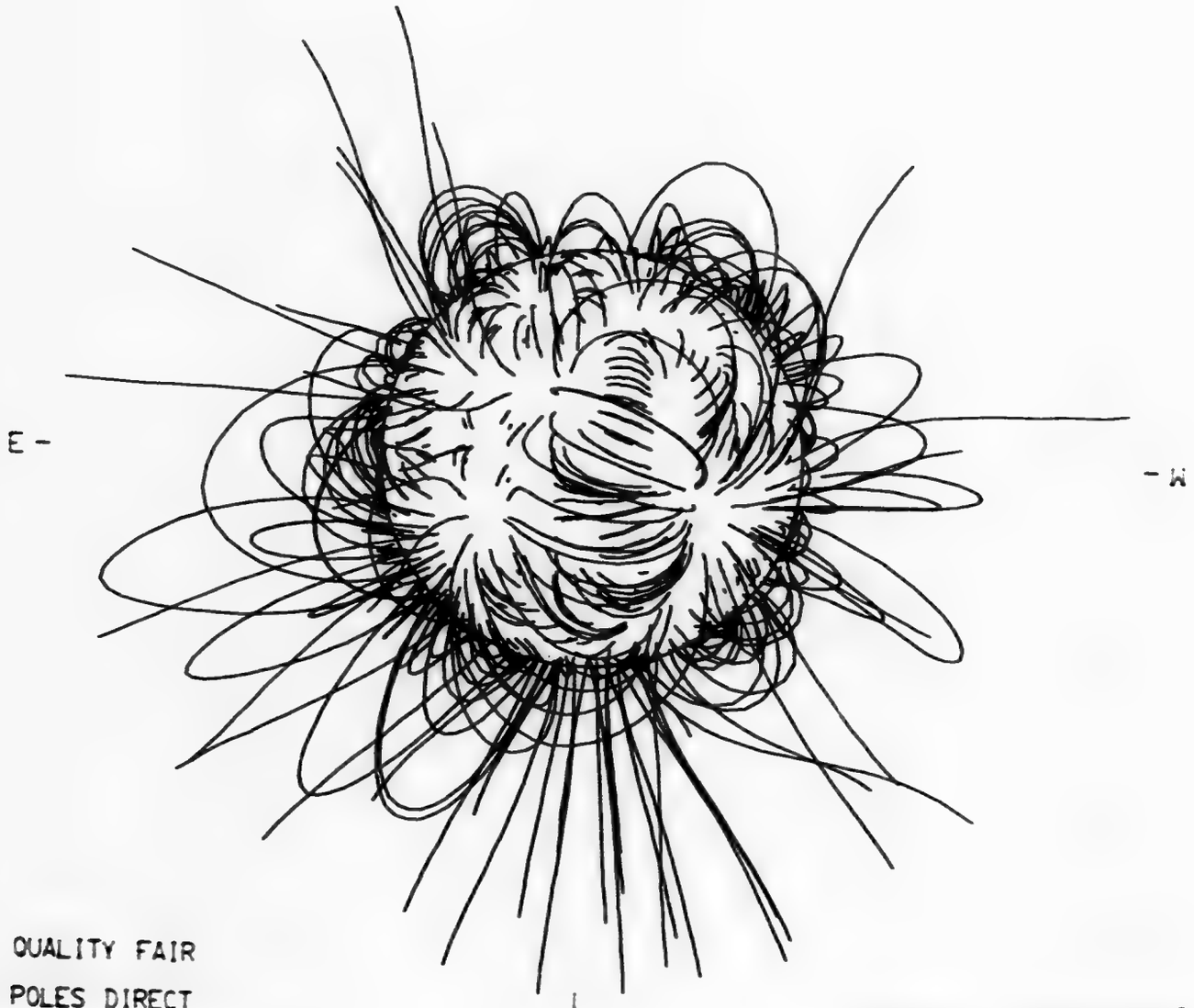
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1437 LONG. 32?°

7.3 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1436.47

ROT. 1437 LONG. 31[illegible]°

8.0 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

QUALITY FAIR

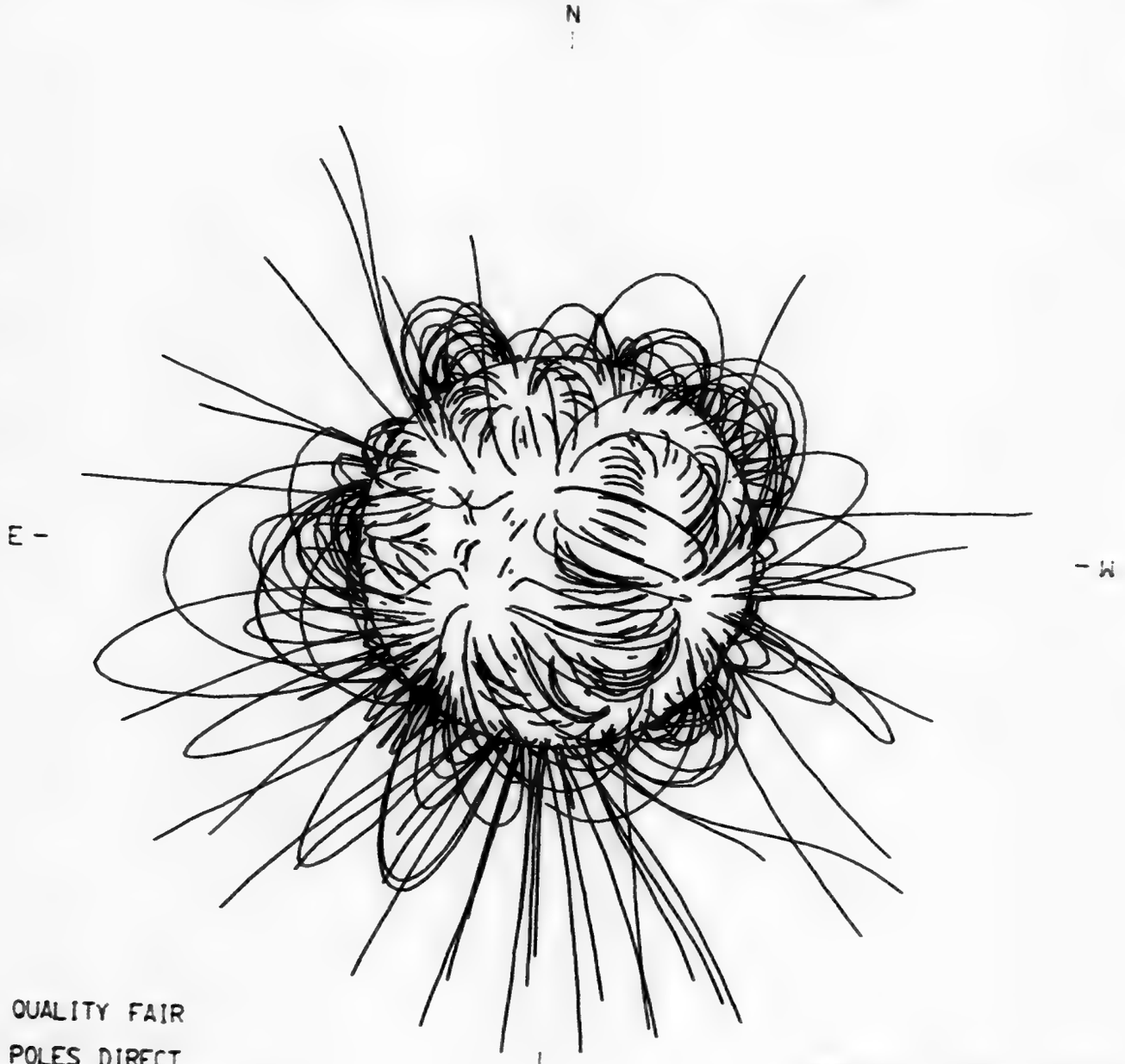
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1437 LONG. 310°

8.0 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

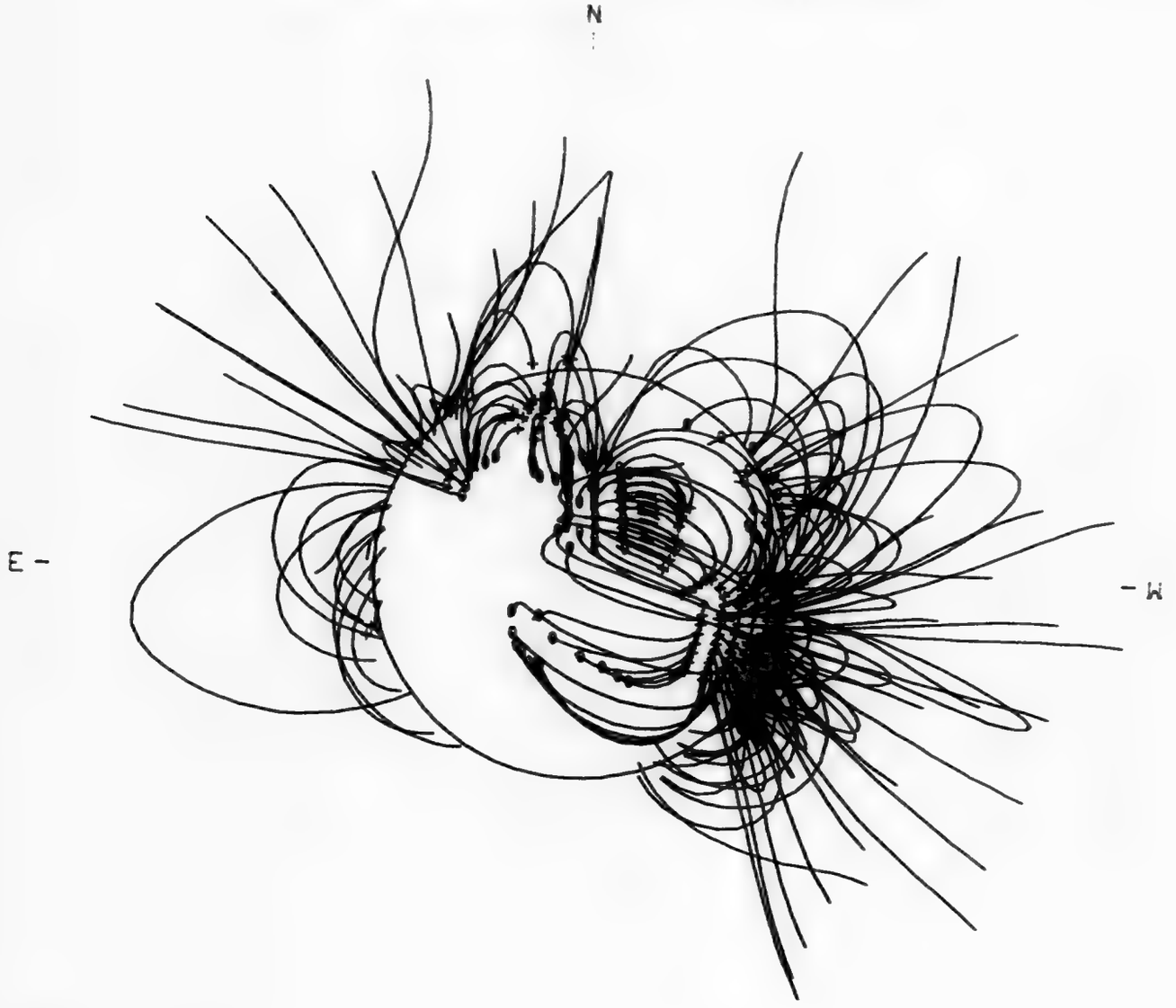
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1437 LONG. 300°

8.8 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

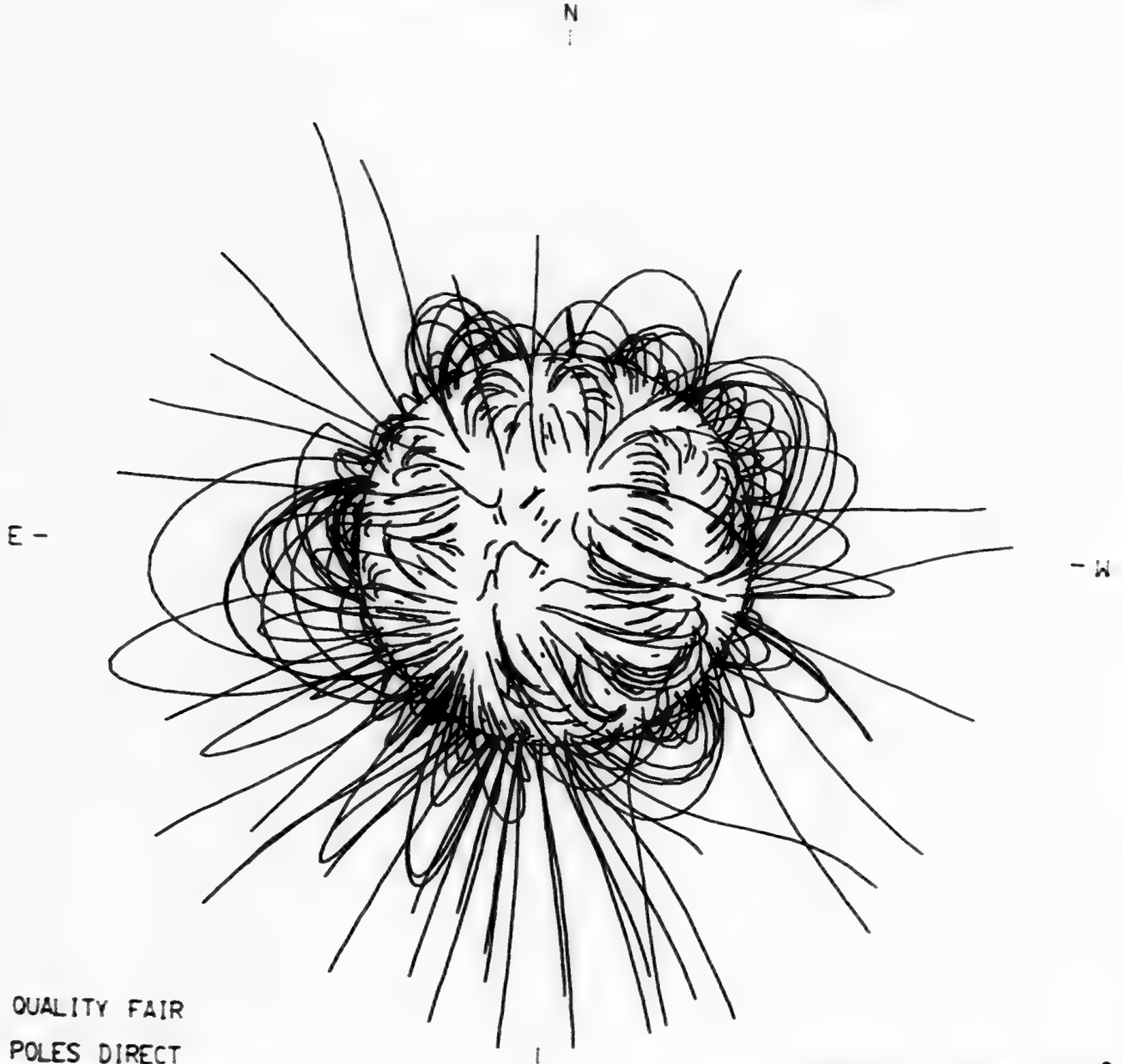
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1437 LONG. 300°

8.8 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

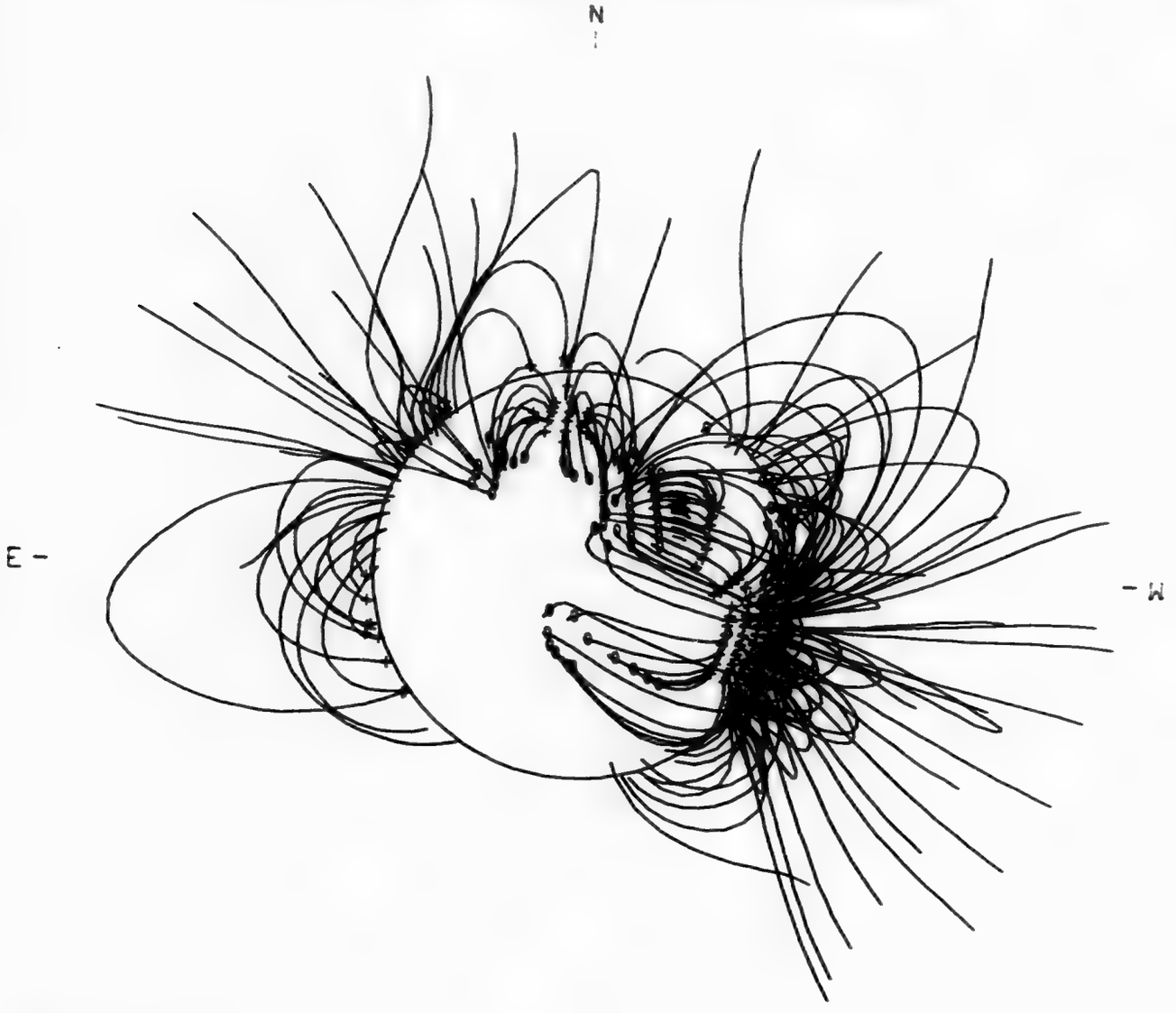
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1437 LONG. 29[illegible]°

9.6 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

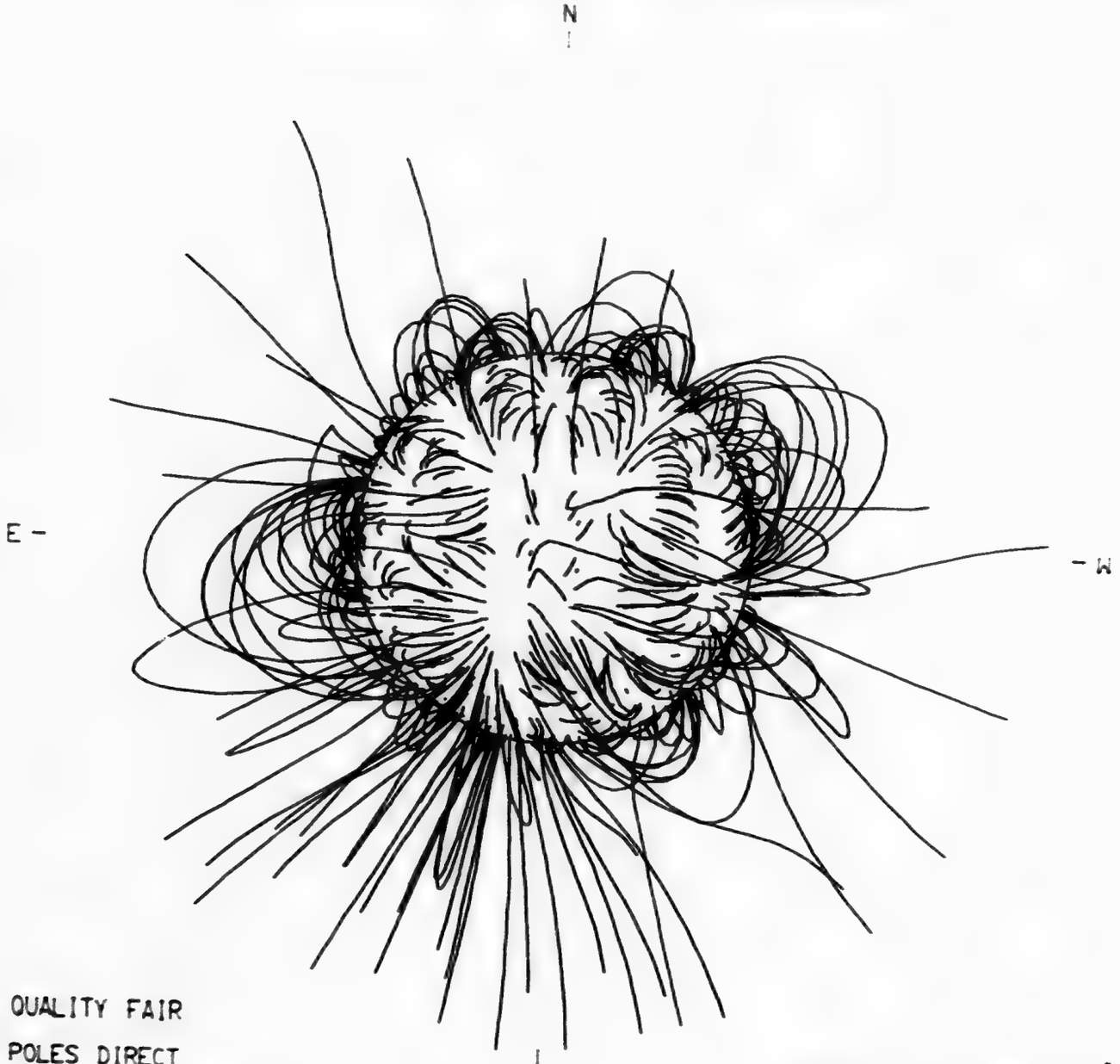
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1437 LONG. 29[illegible]°

9.6 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

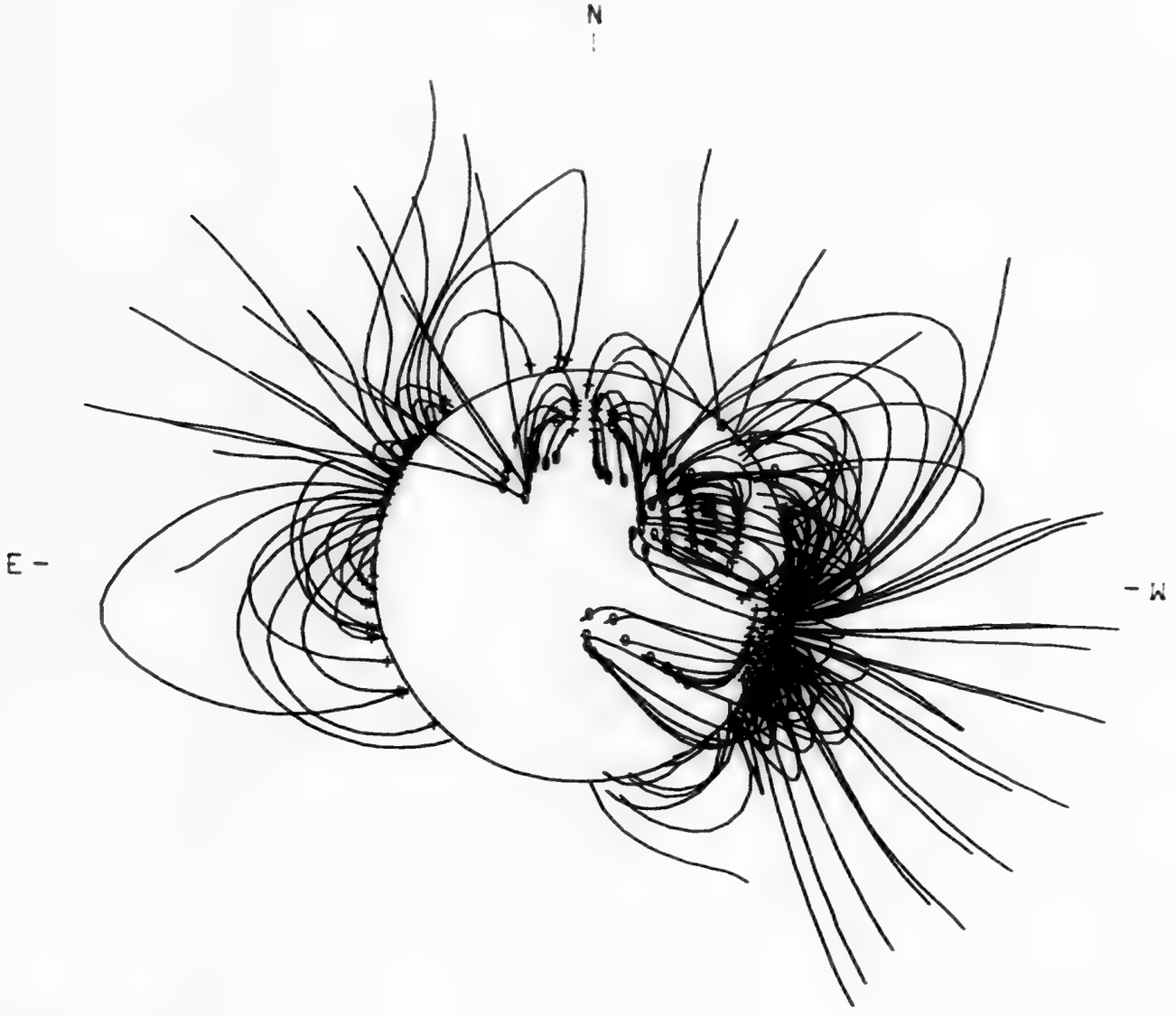
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1437 LONG. 28[illegible]°

10.3 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

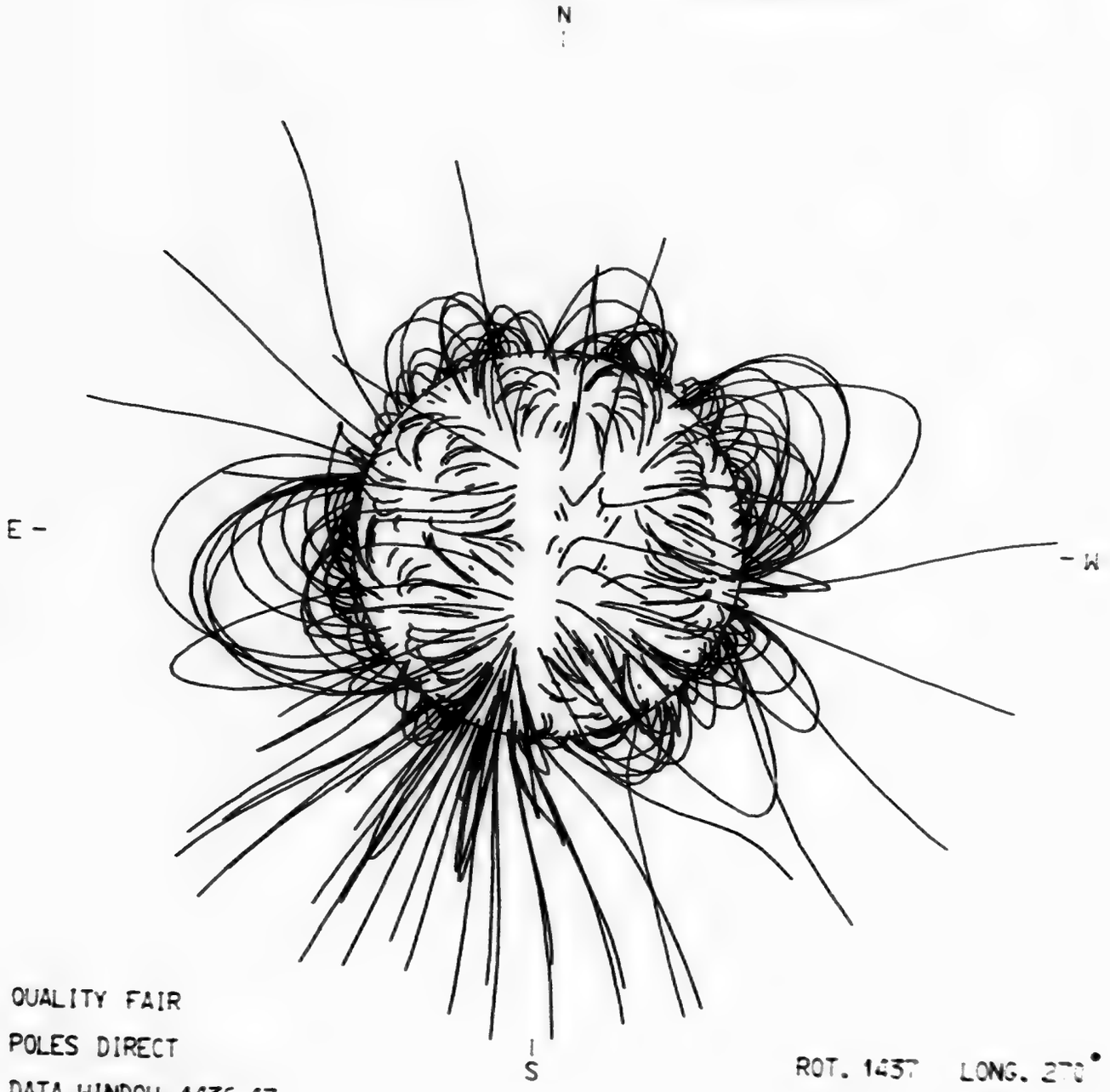
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1437 LONG. 280°

10.3 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1436.47

ROT. 1437 LONG. 270°

11.1 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

QUALITY FAIR

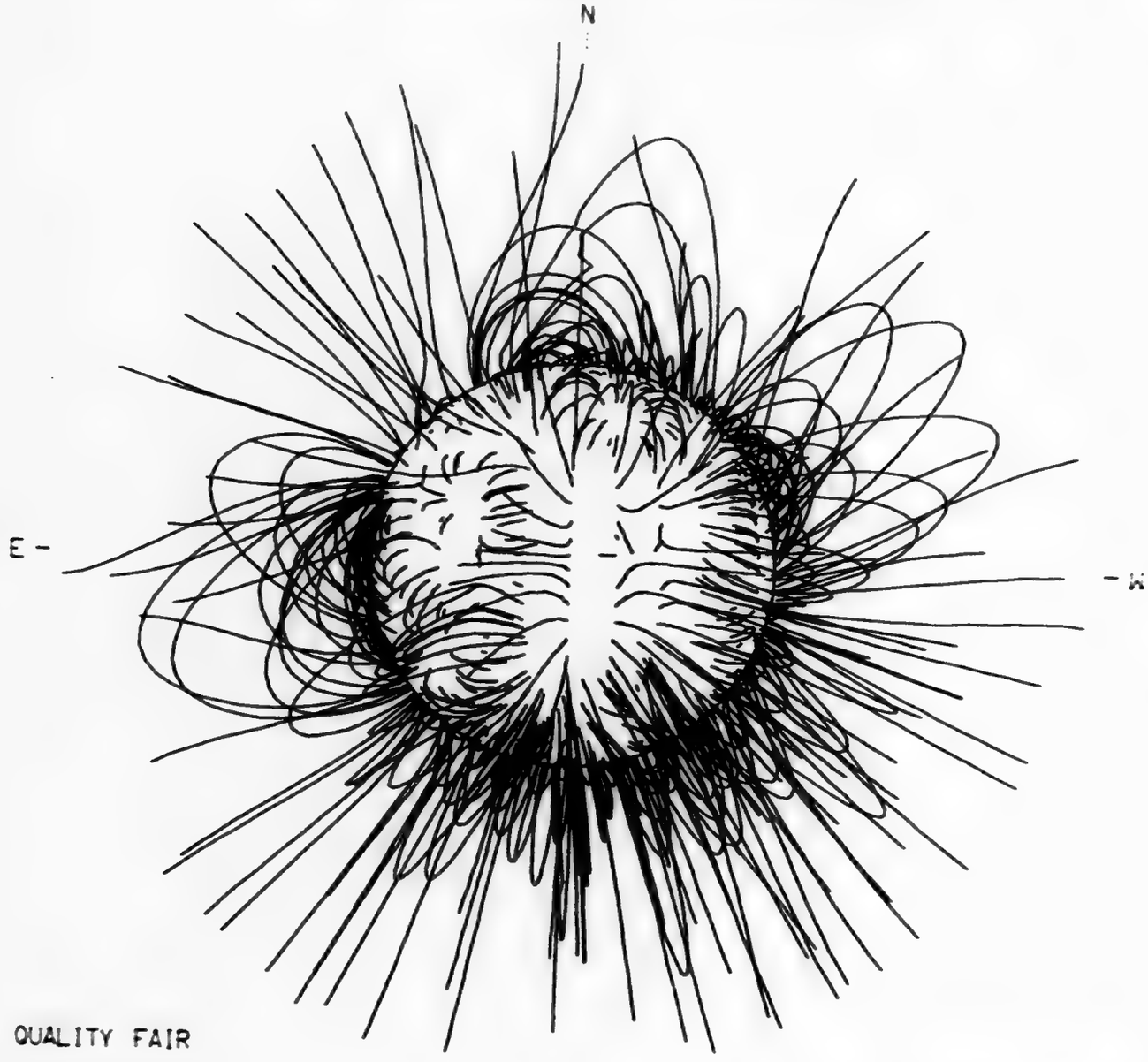
POLES DIRECT

DATA WINDOW 1436.47

ROT. 1437 LONG. 27[illegible]°

11.1 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

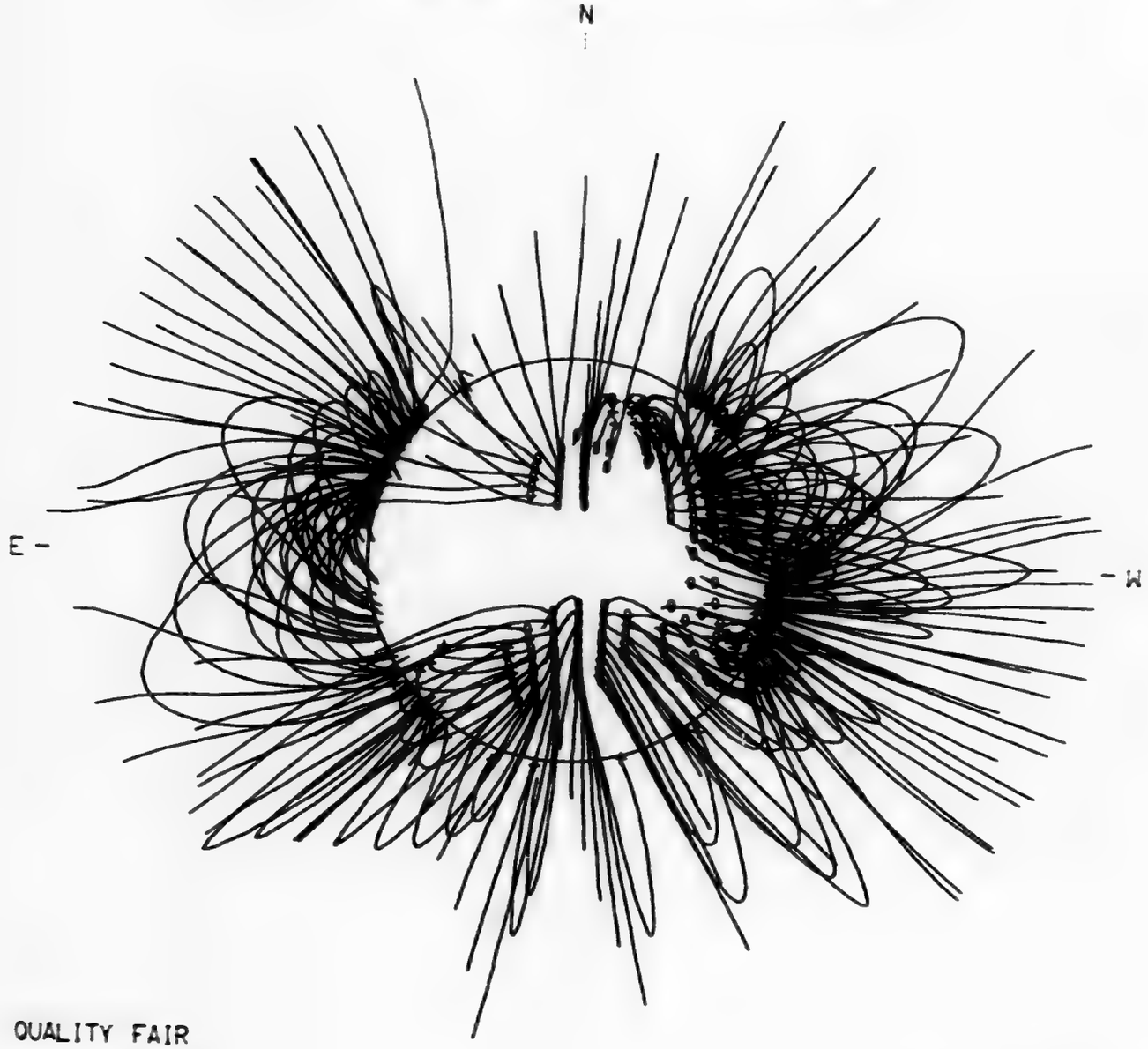
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 261°

11.9 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

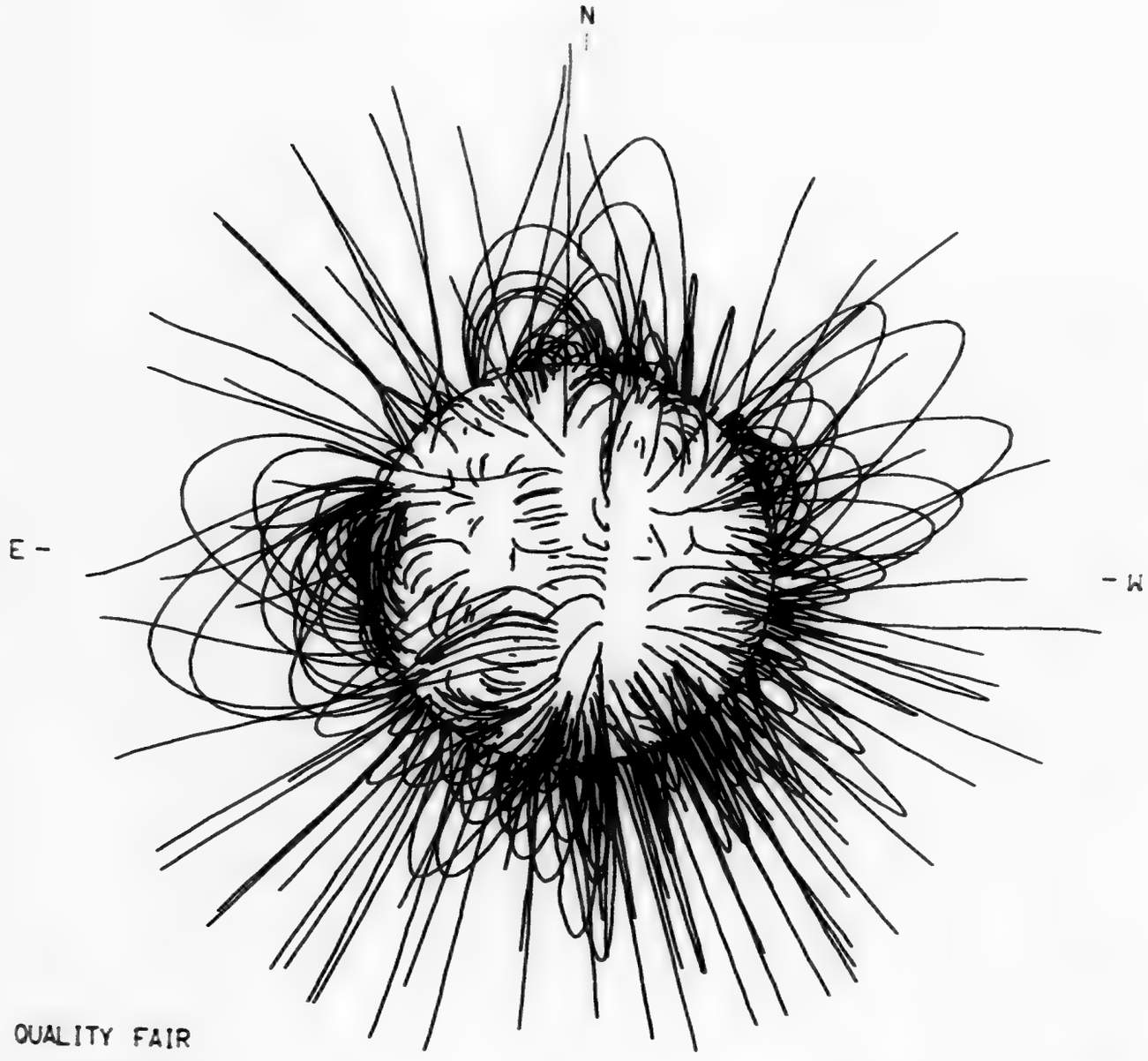
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 26[illegible]°

11.9 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

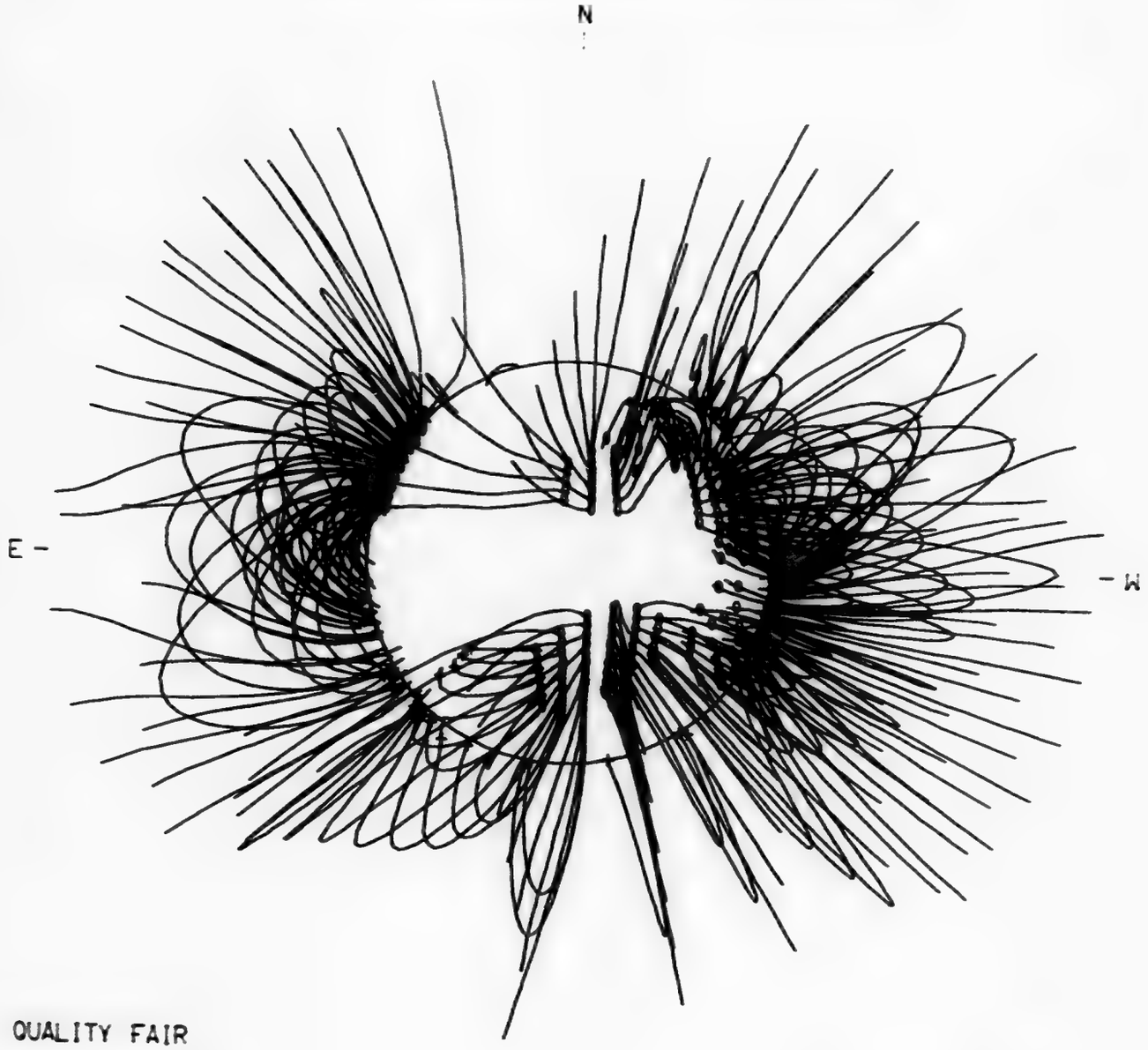
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 25[illegible]°

12.6 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

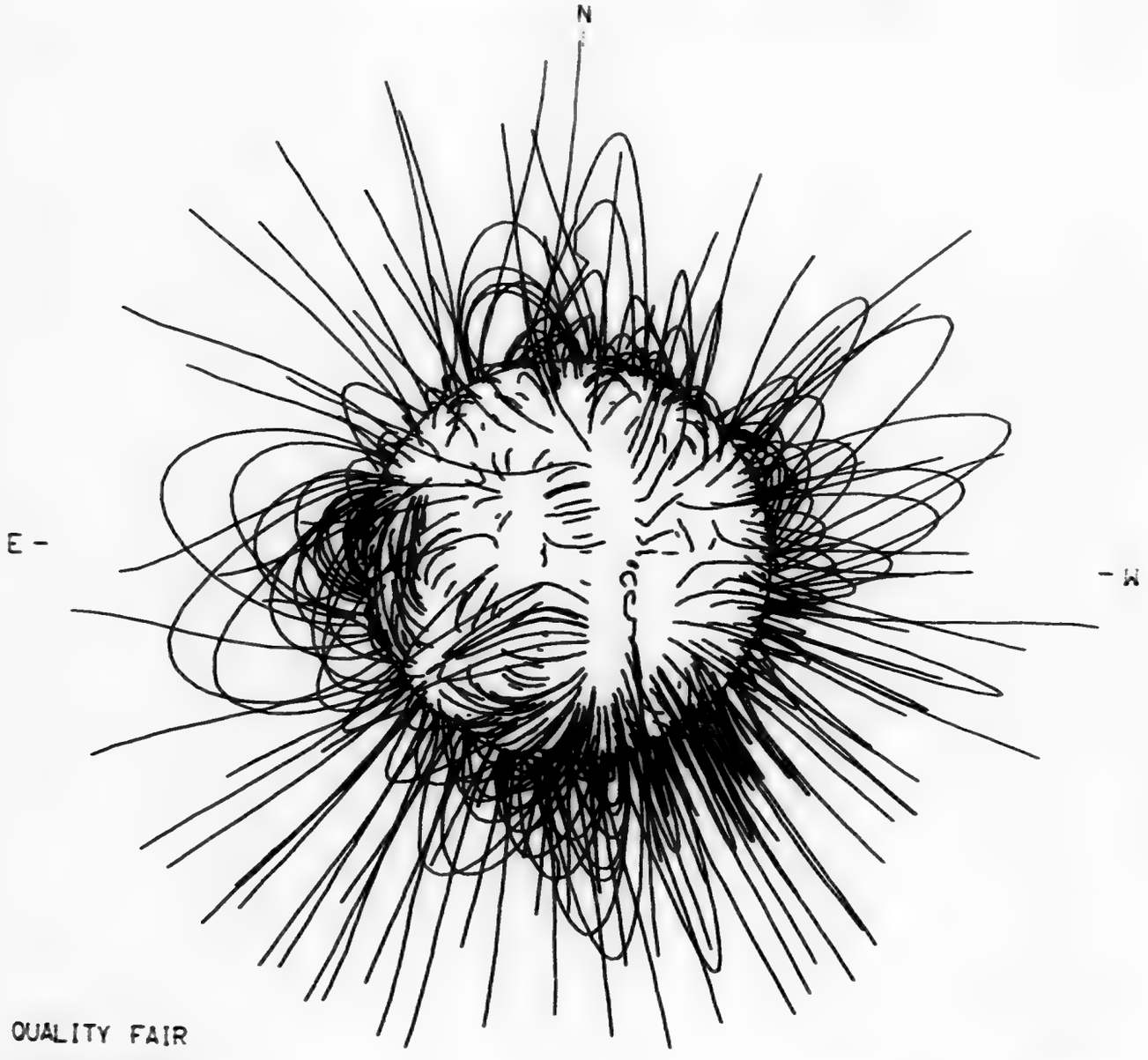
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 252°

12.6 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

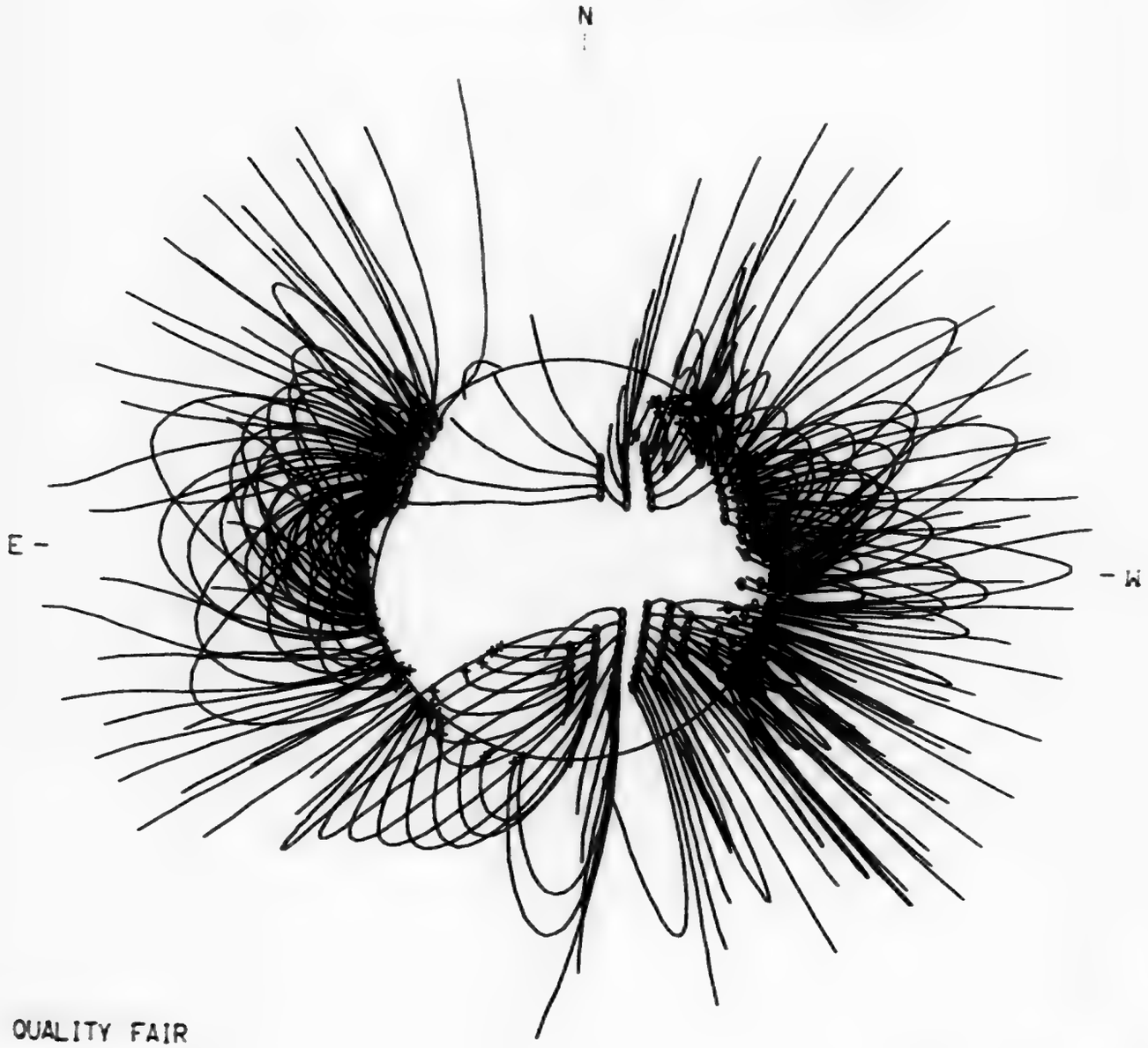
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 240°

13.4 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

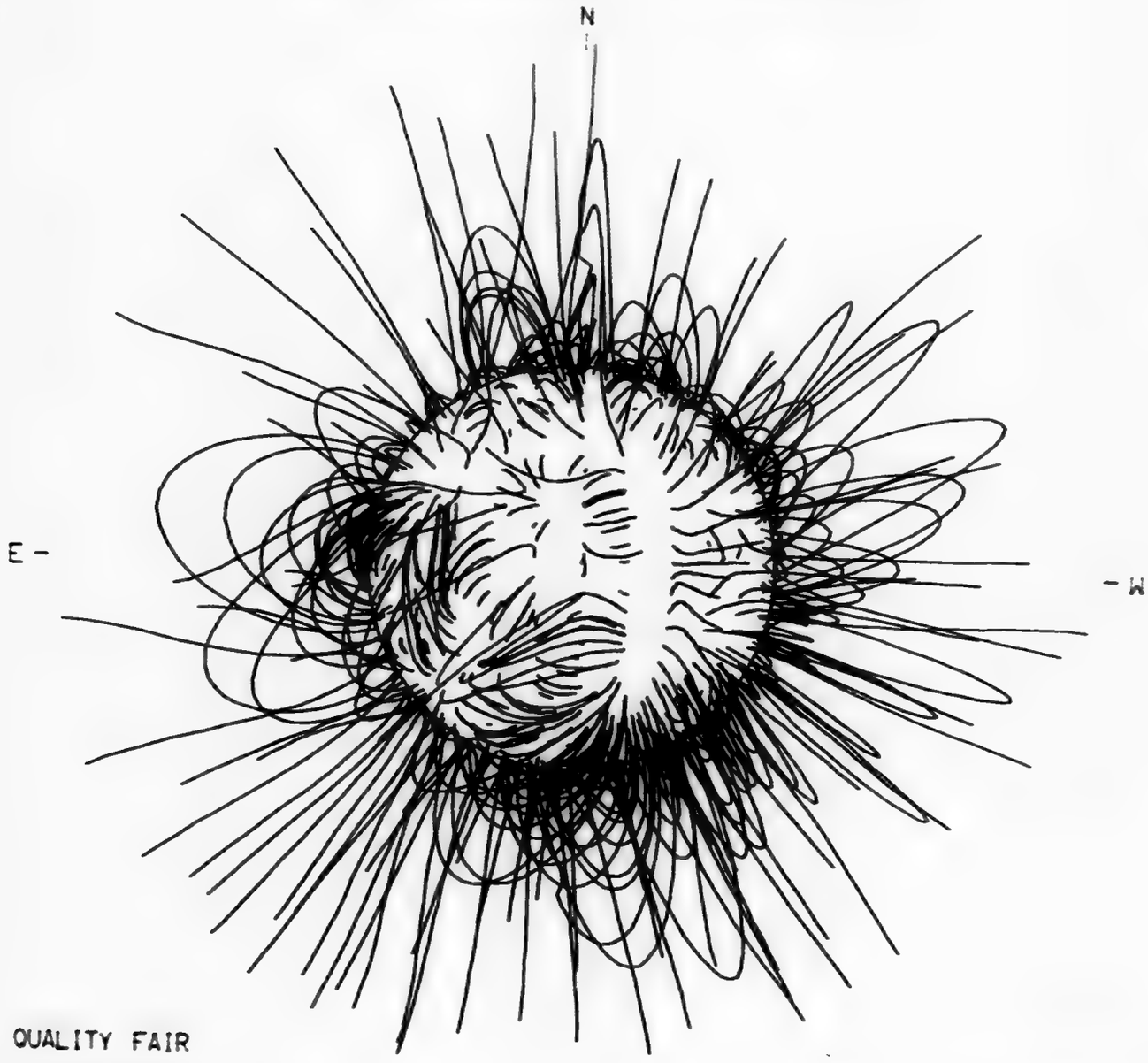
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 240°

13.4 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

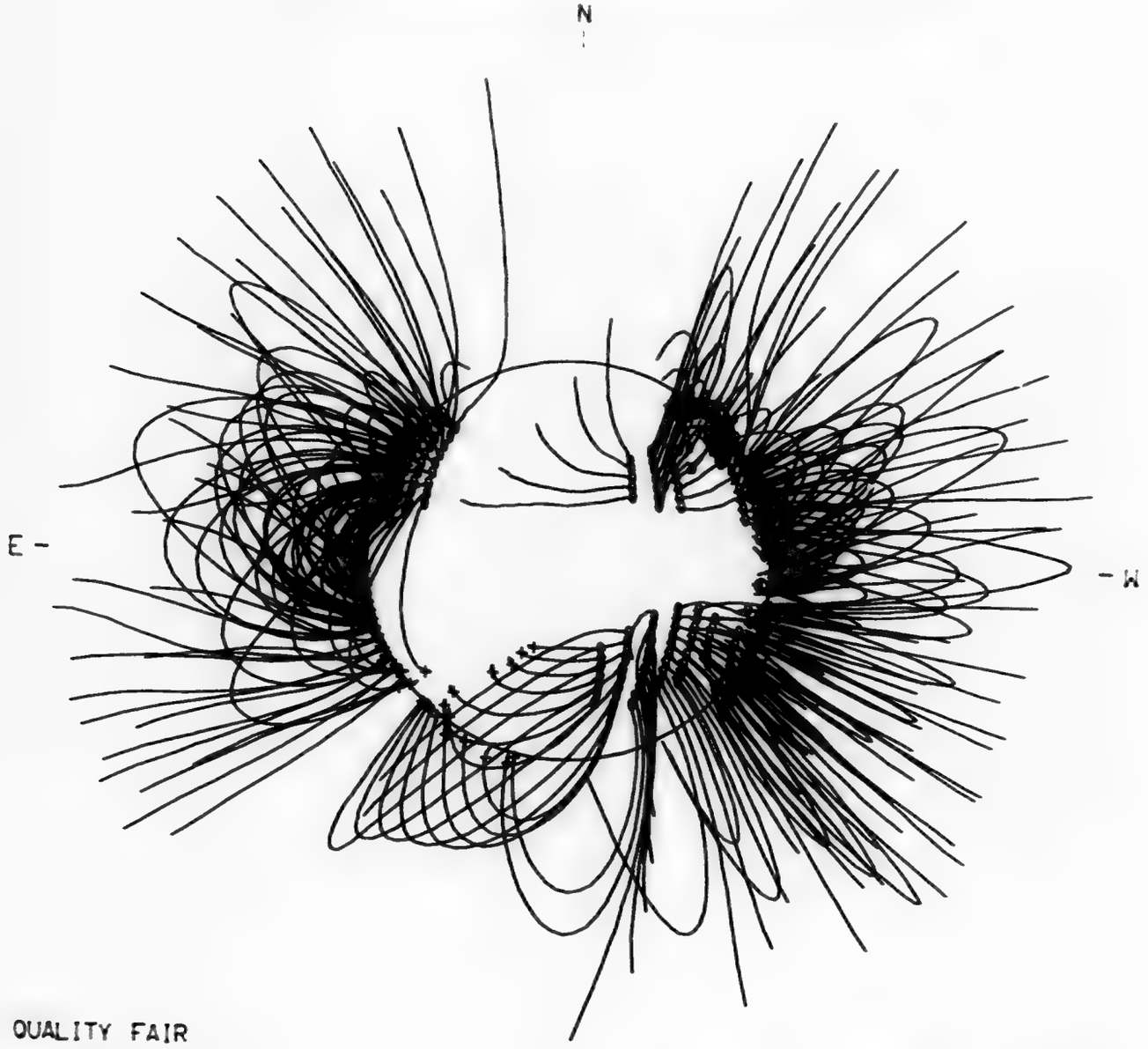
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 230°

14.1 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

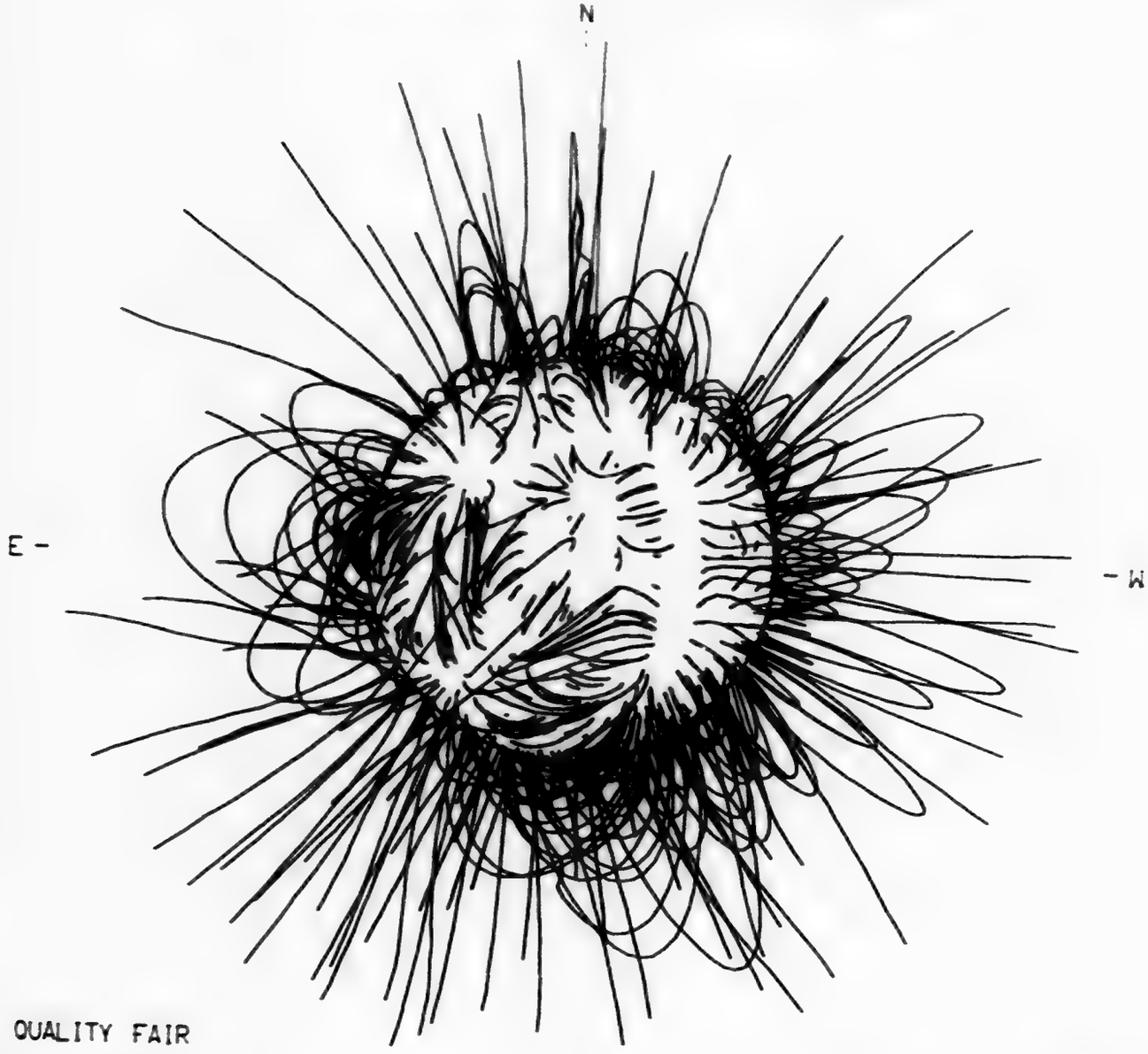
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 23[illegible]°

14.1 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

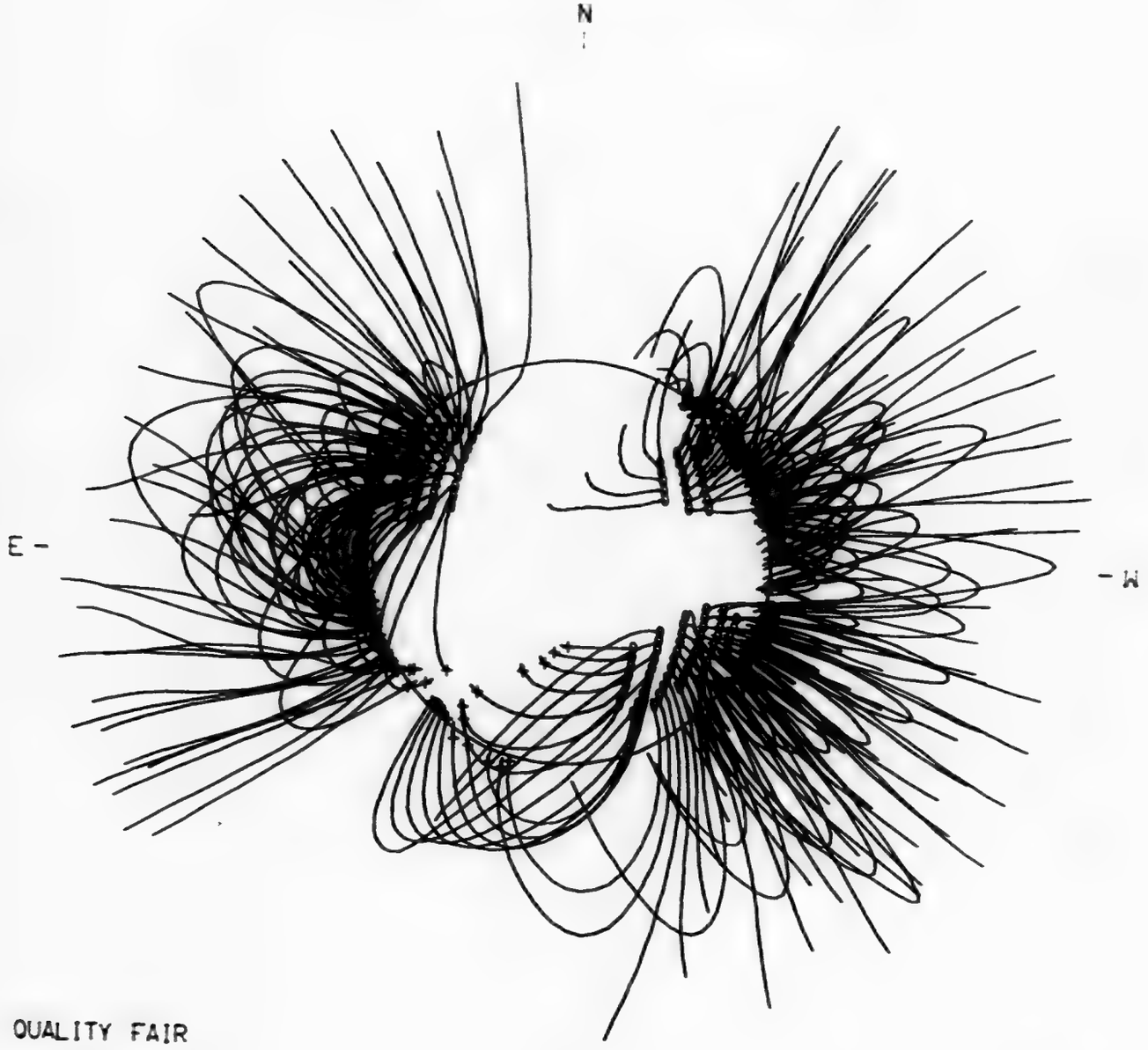
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 220°

14.9 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

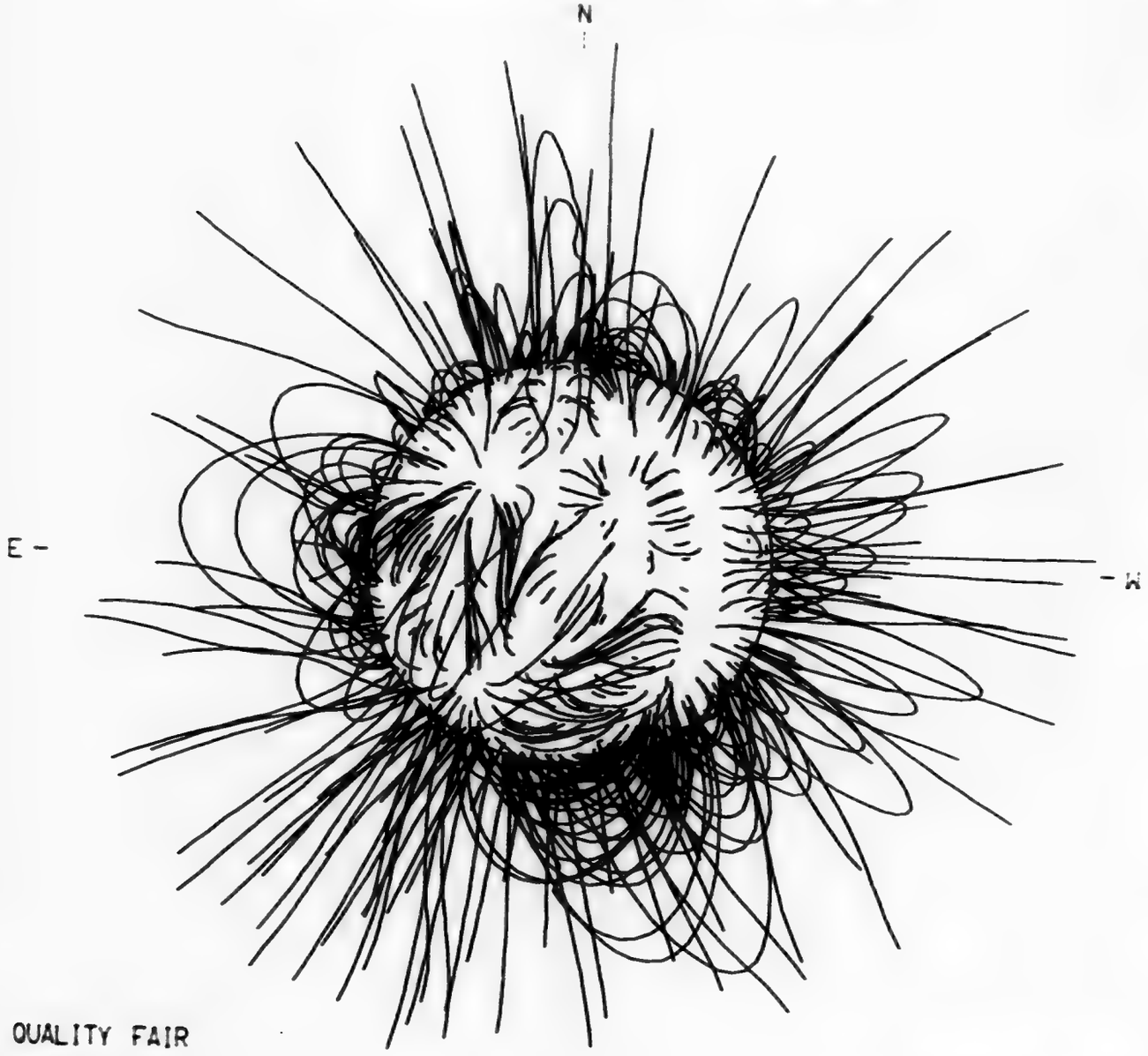
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 220°

14.9 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

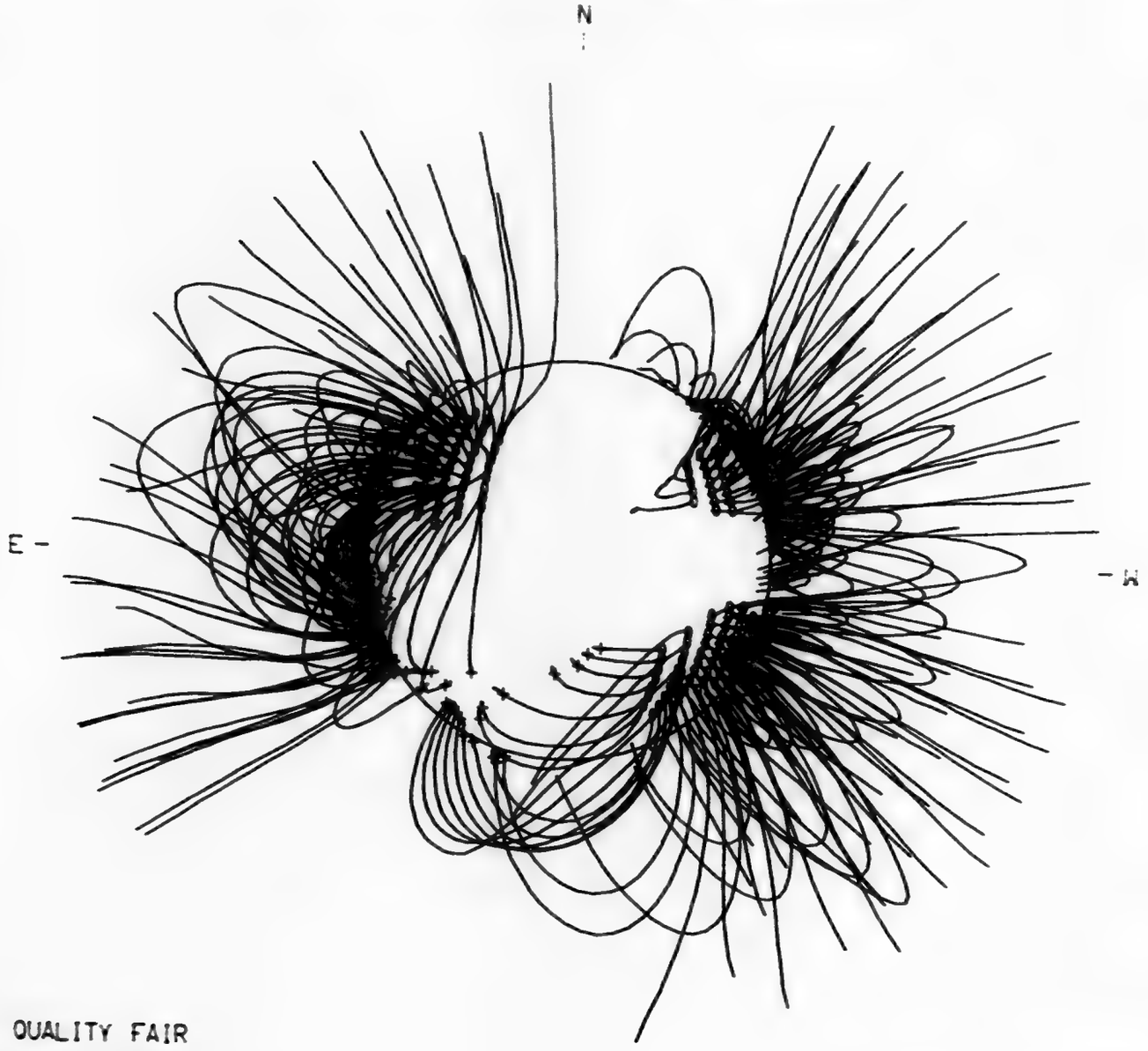
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 21[illegible]°

15.6 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

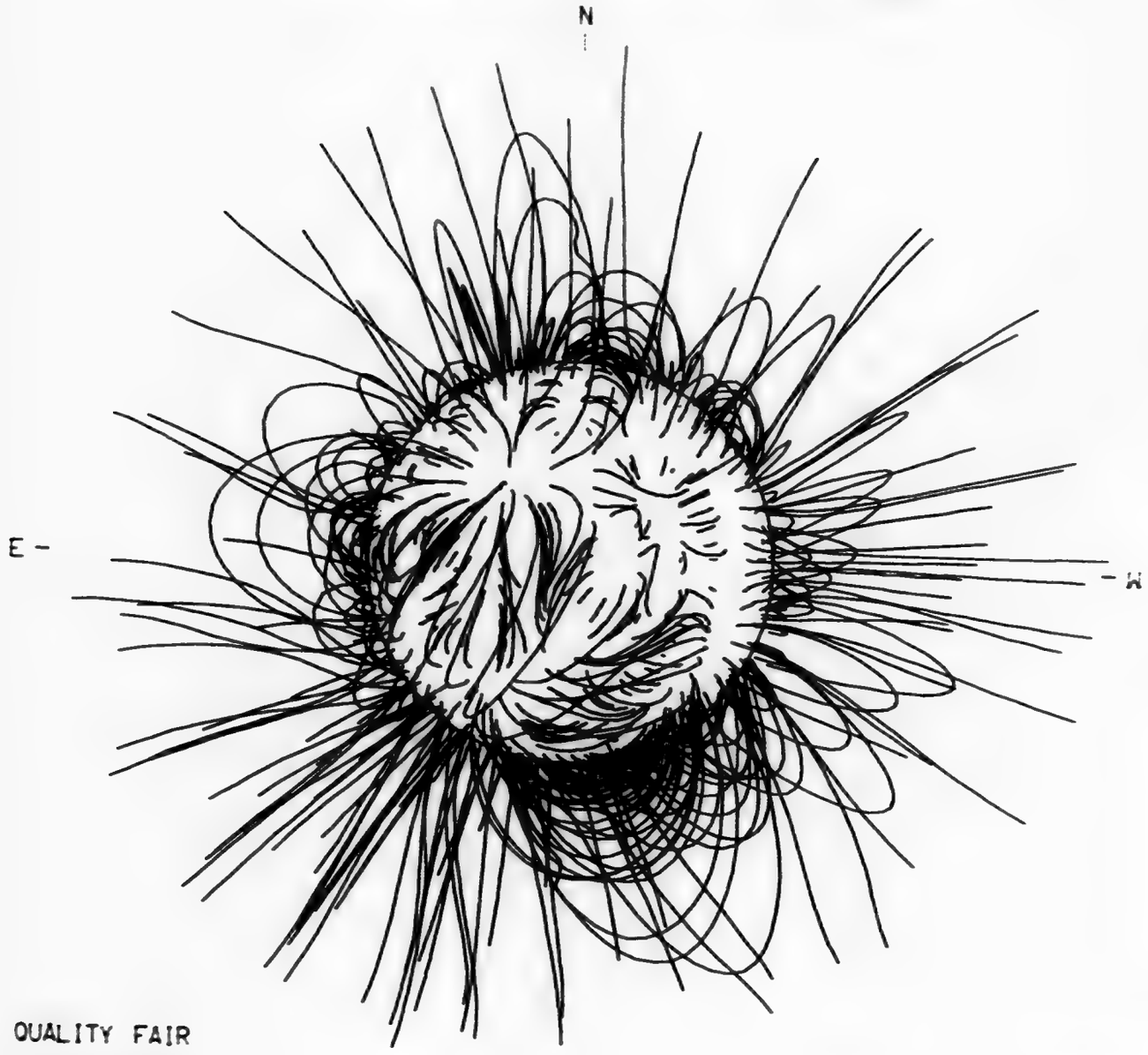
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 21°

15.6 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

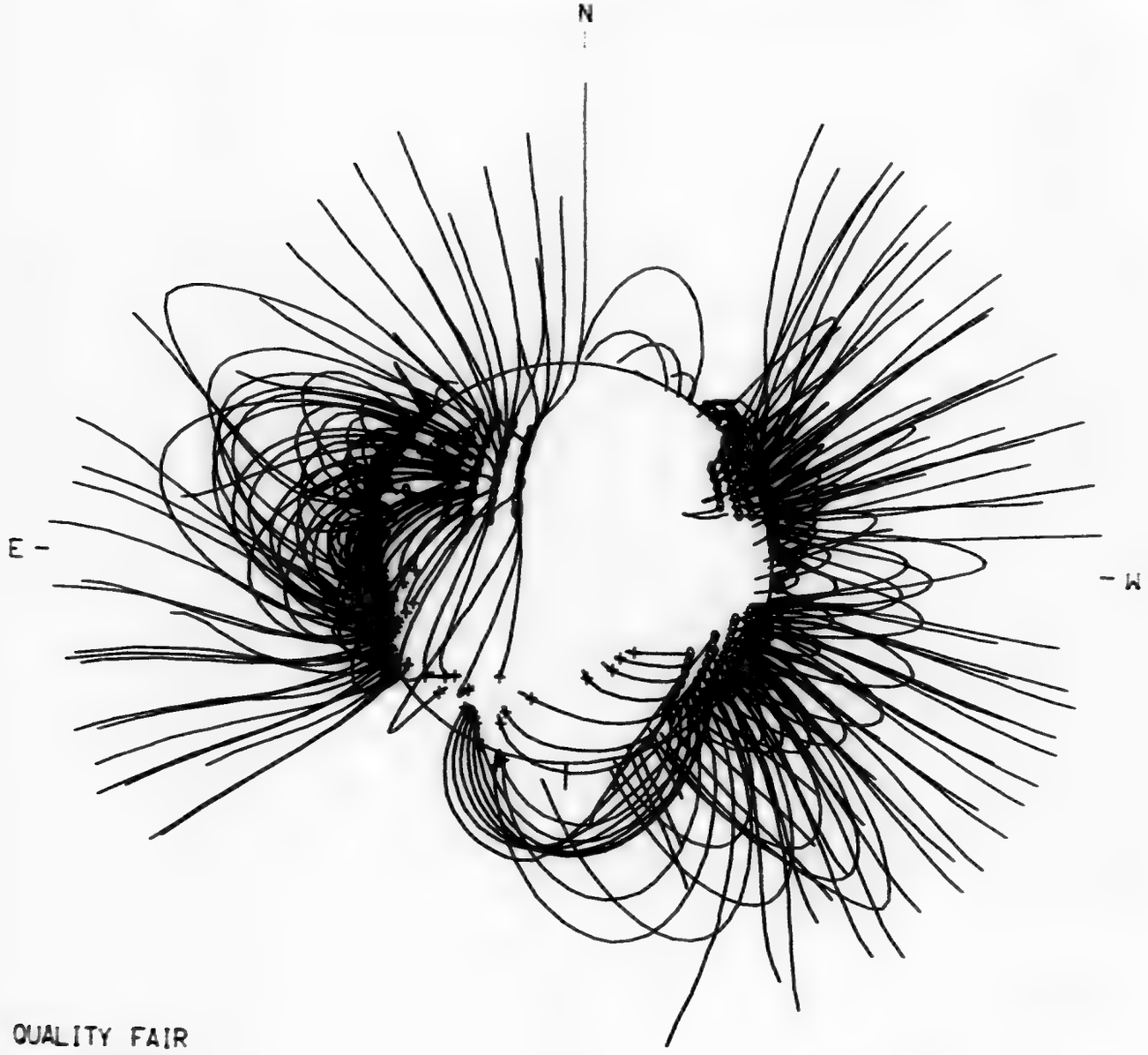
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 200°

16.4 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

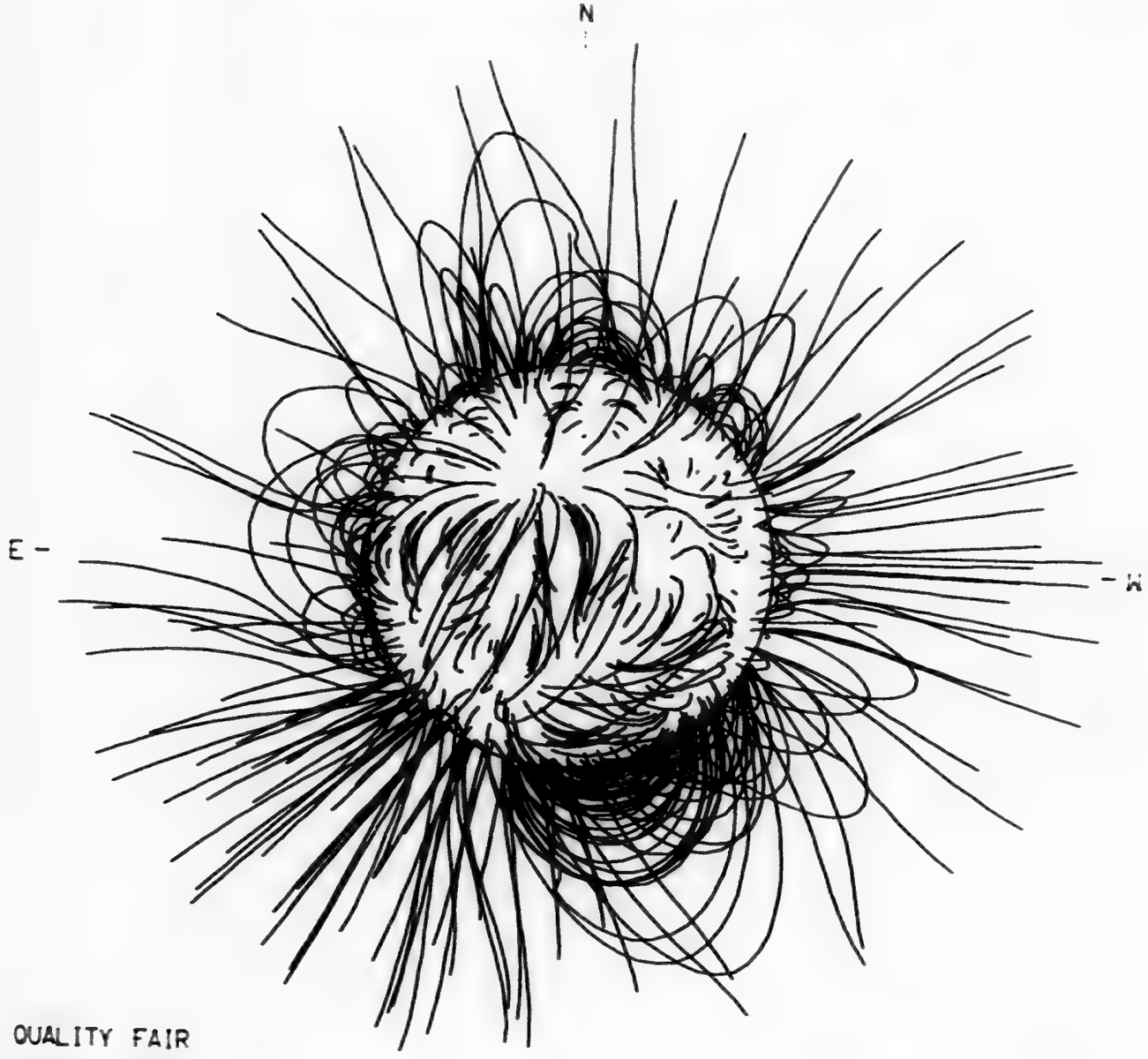
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 200°

16.4 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

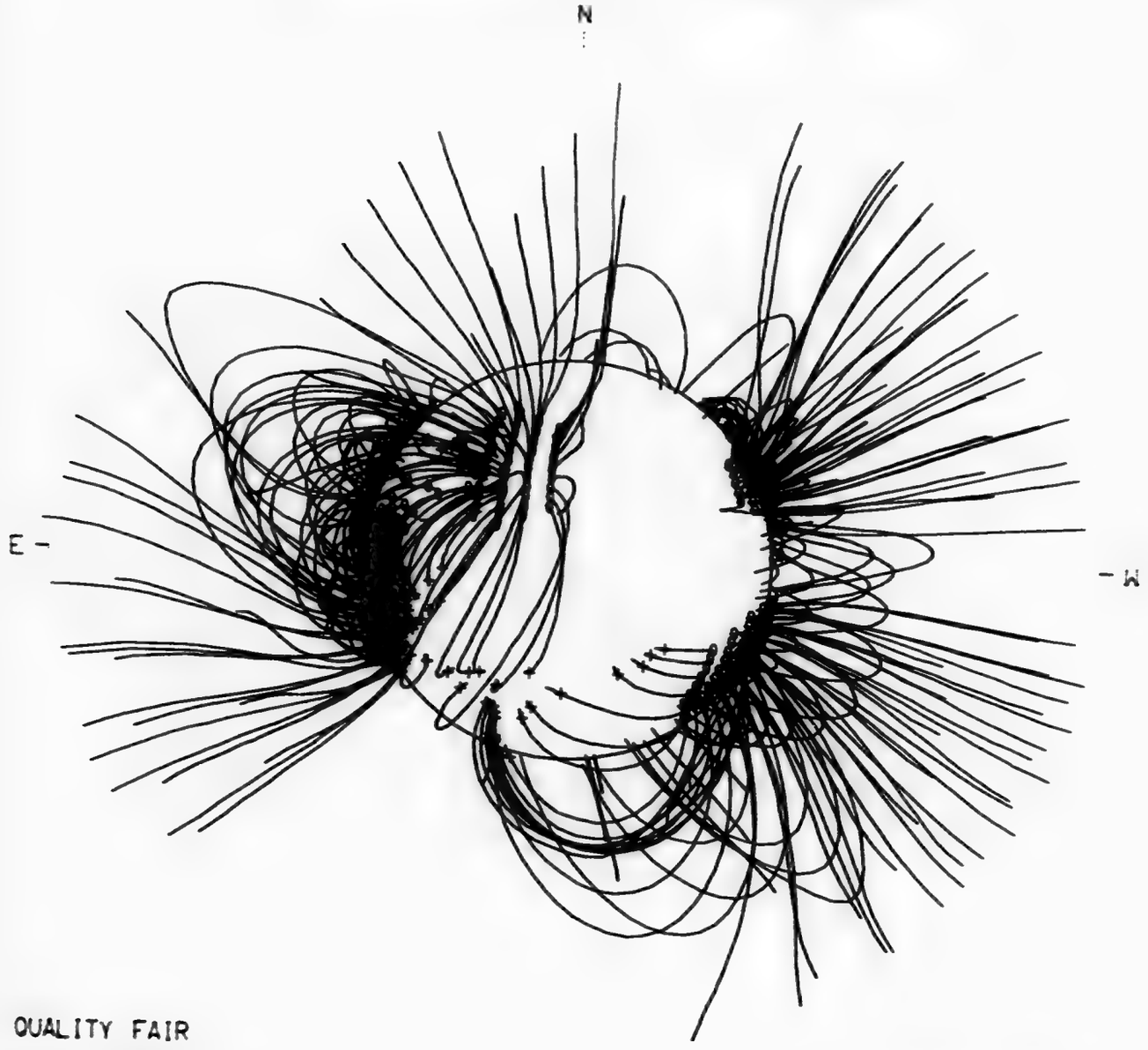
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 190°

17.2 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

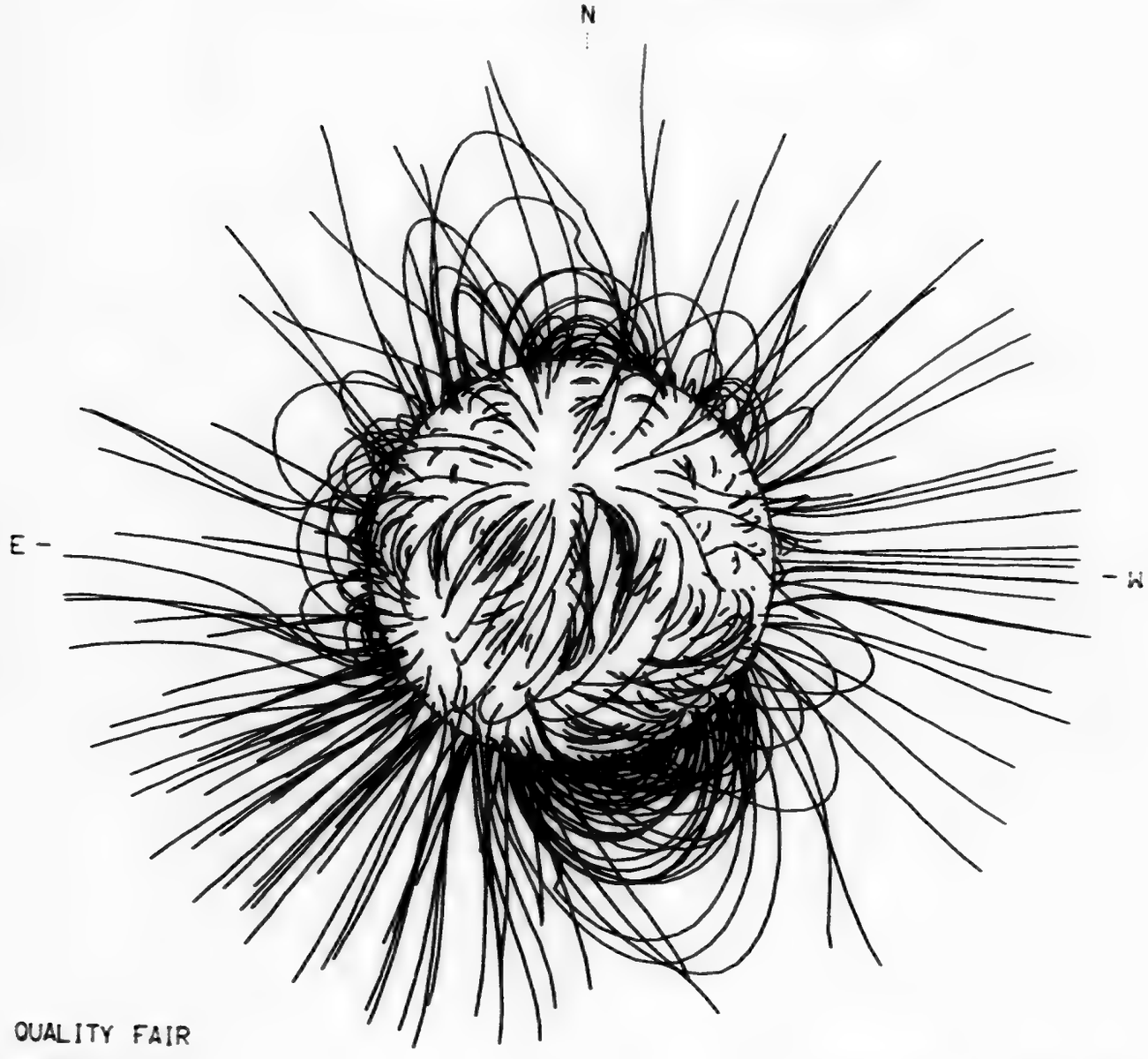
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 190°

17.2 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

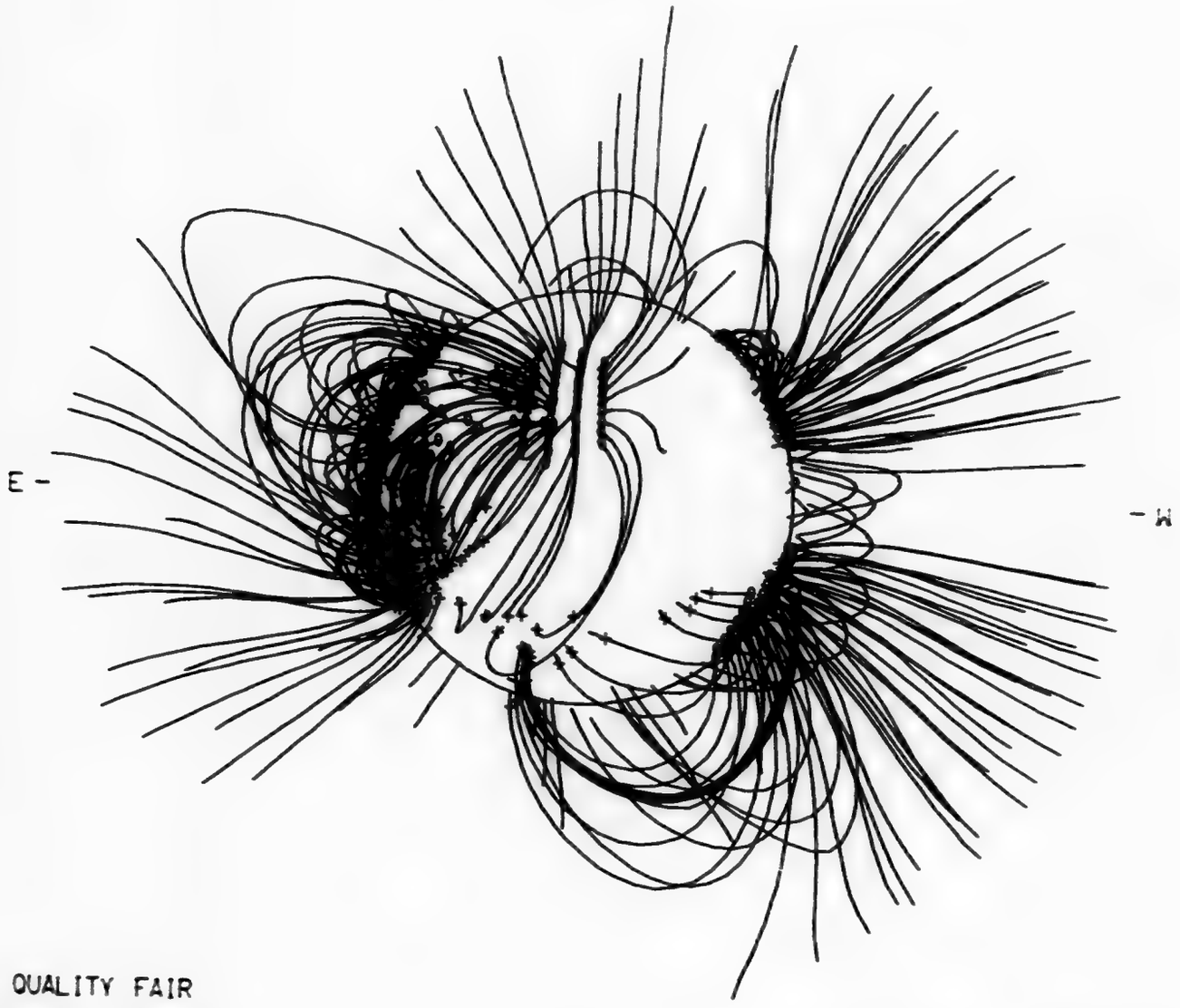
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 180°

17.9 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

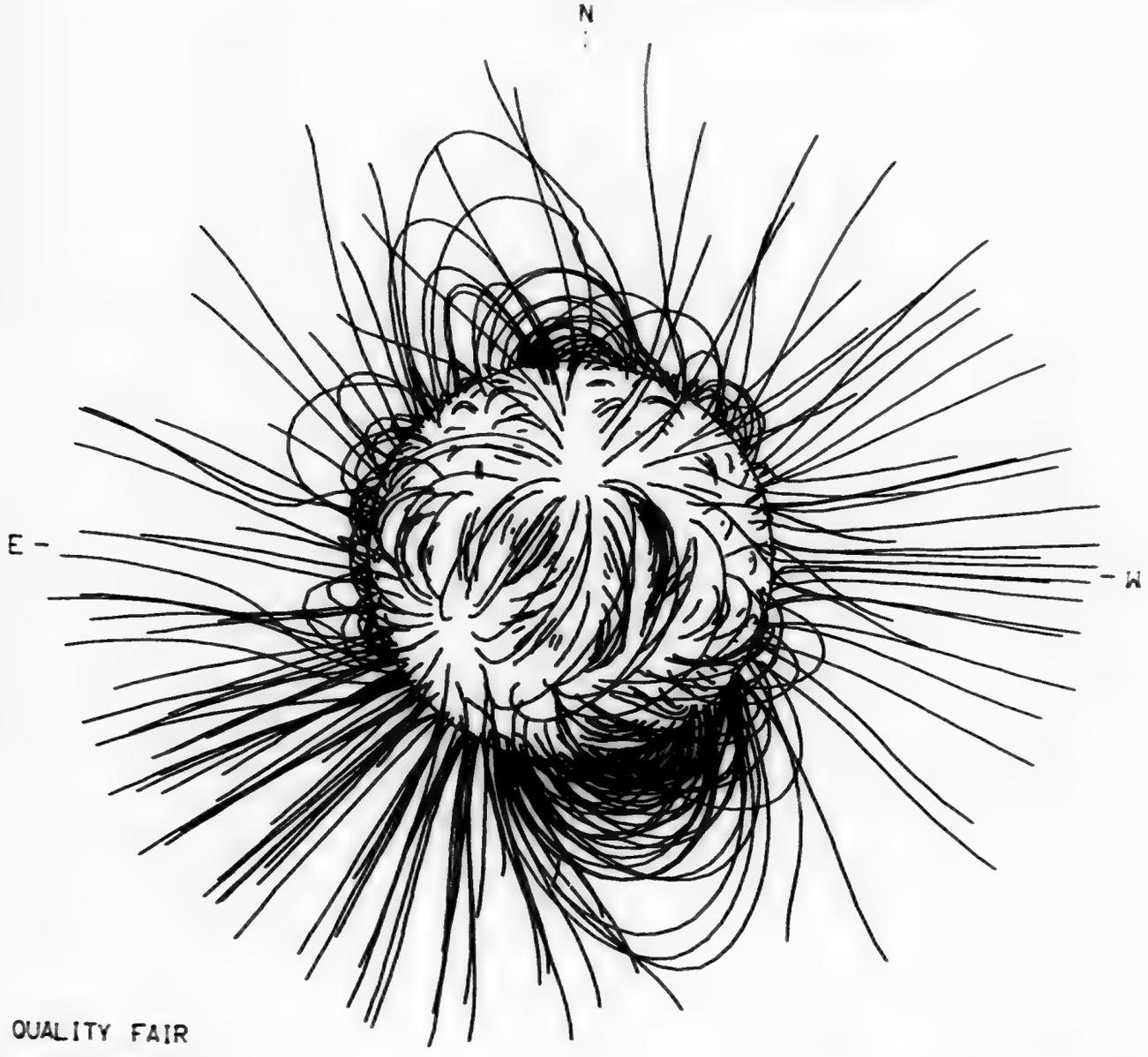
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 18[illegible]°

17.9 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

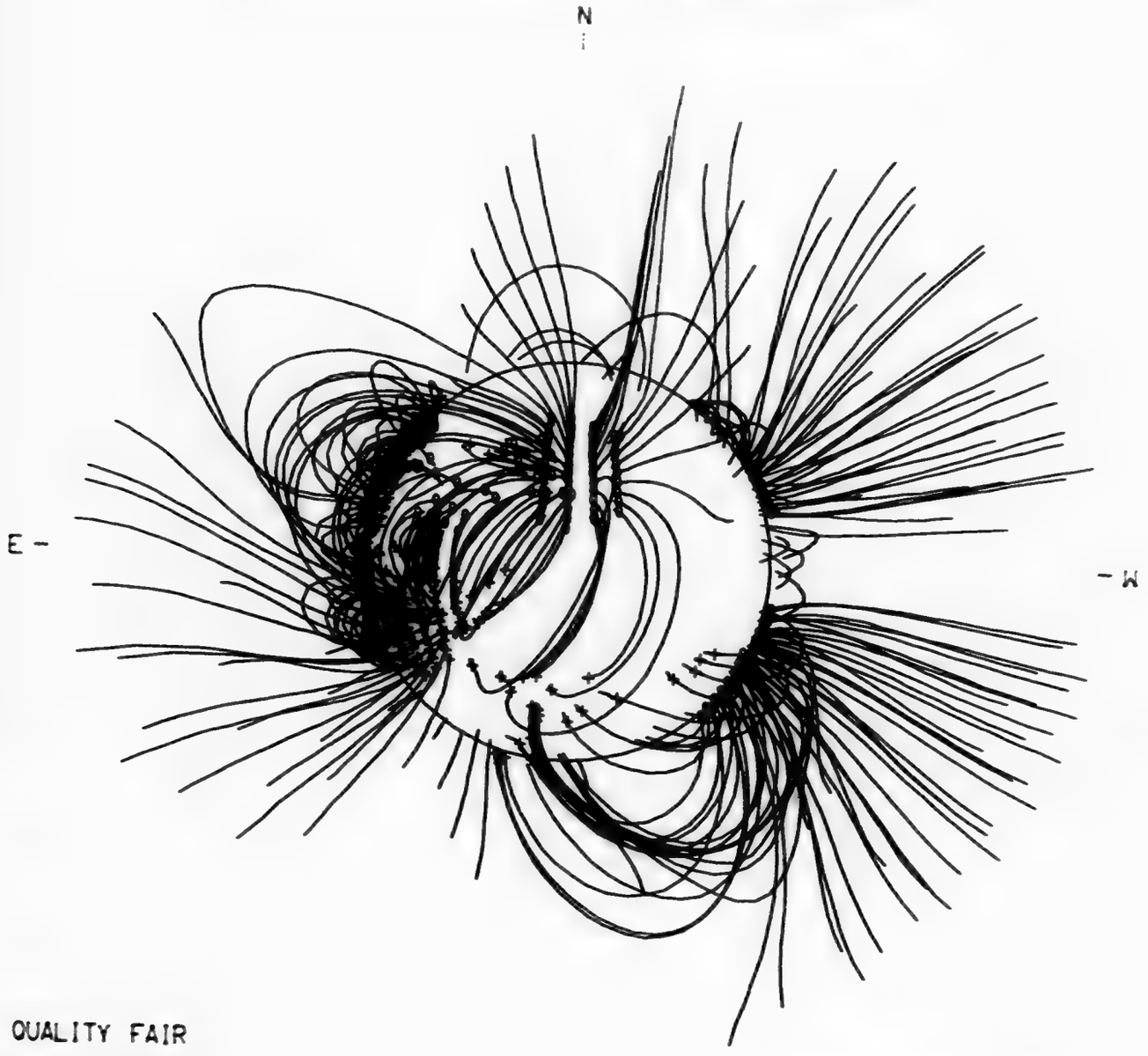
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 17[illegible]°

18.7 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

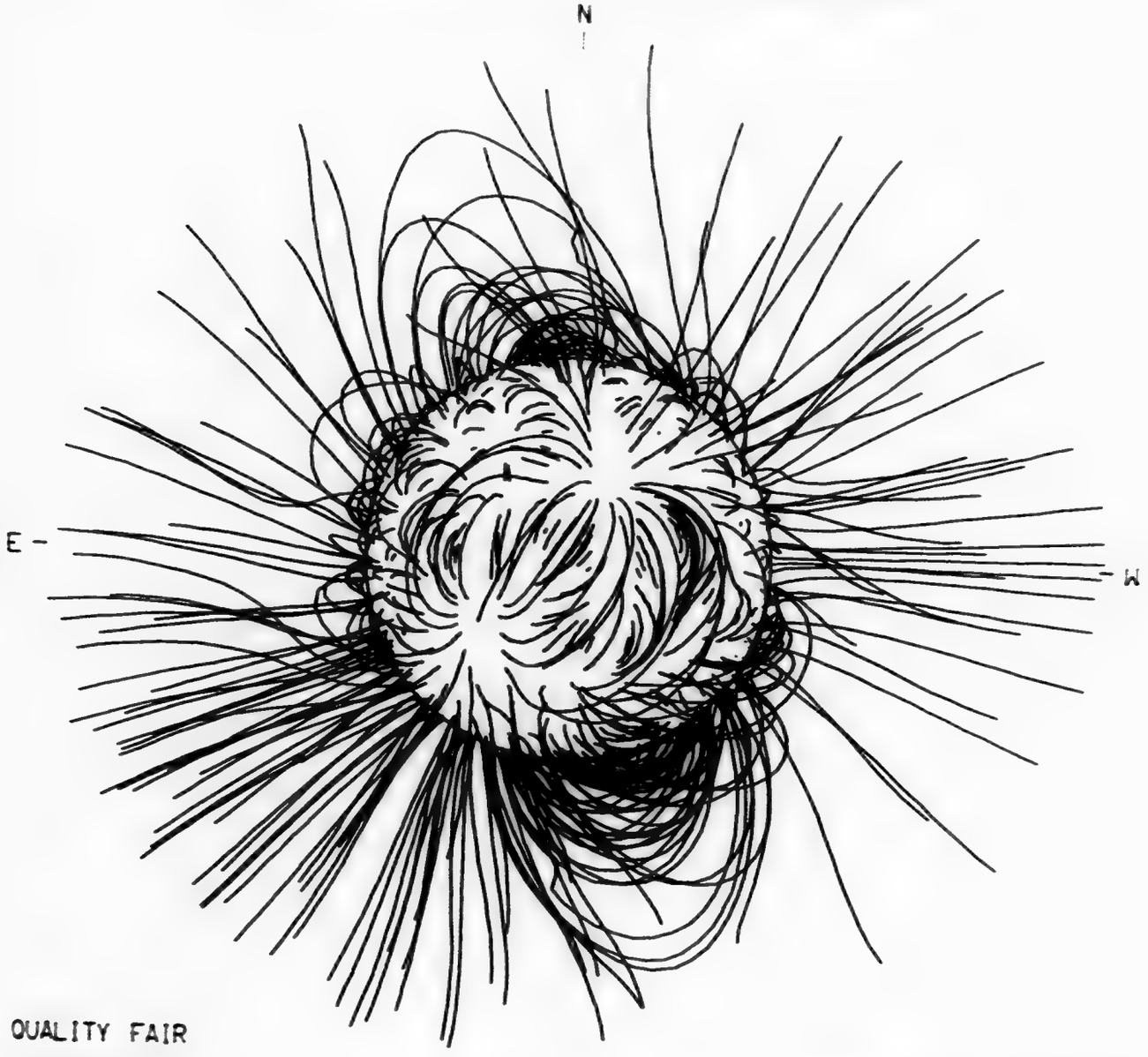
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 17?°

18.7 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

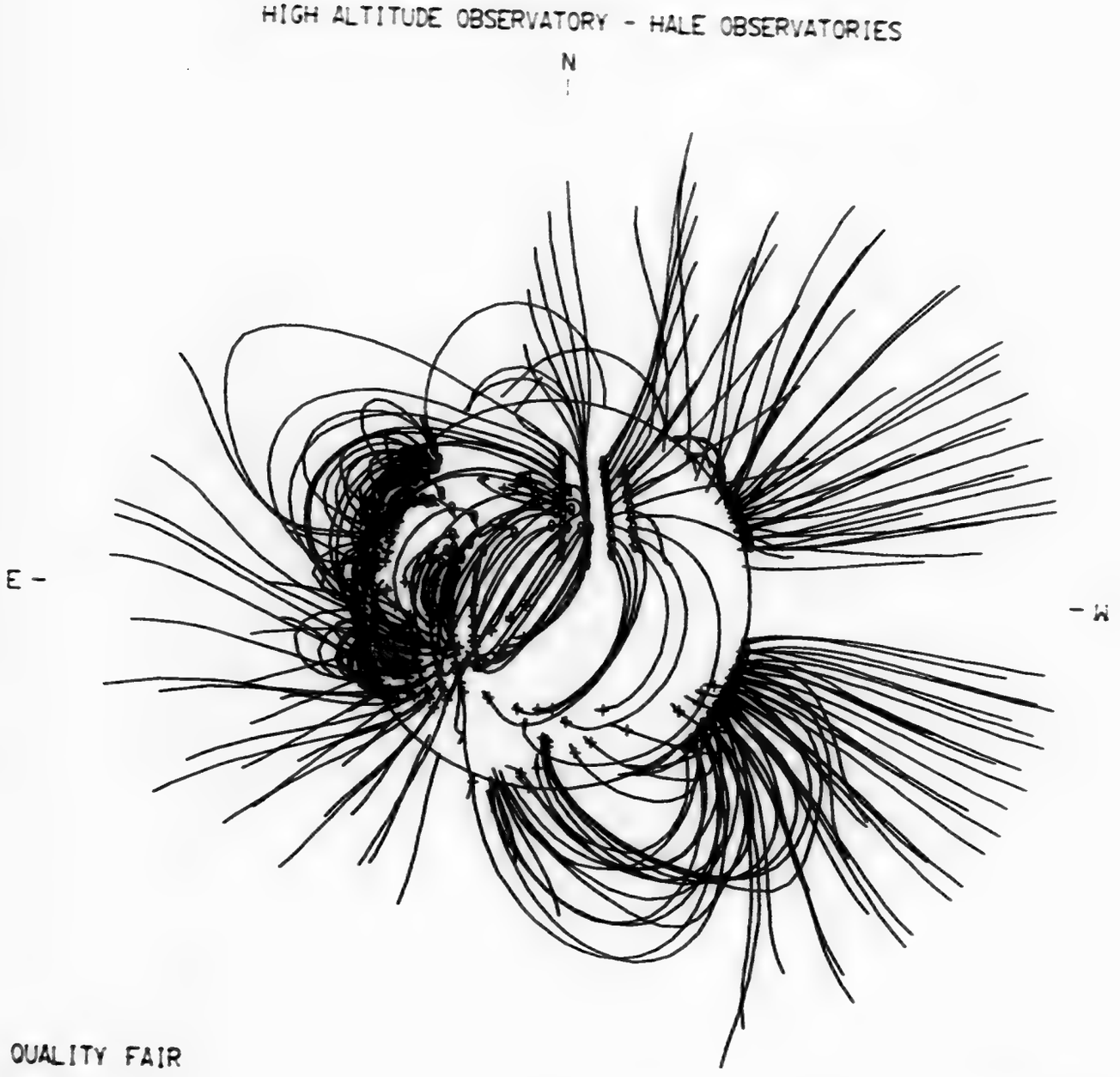
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 160°

19.4 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

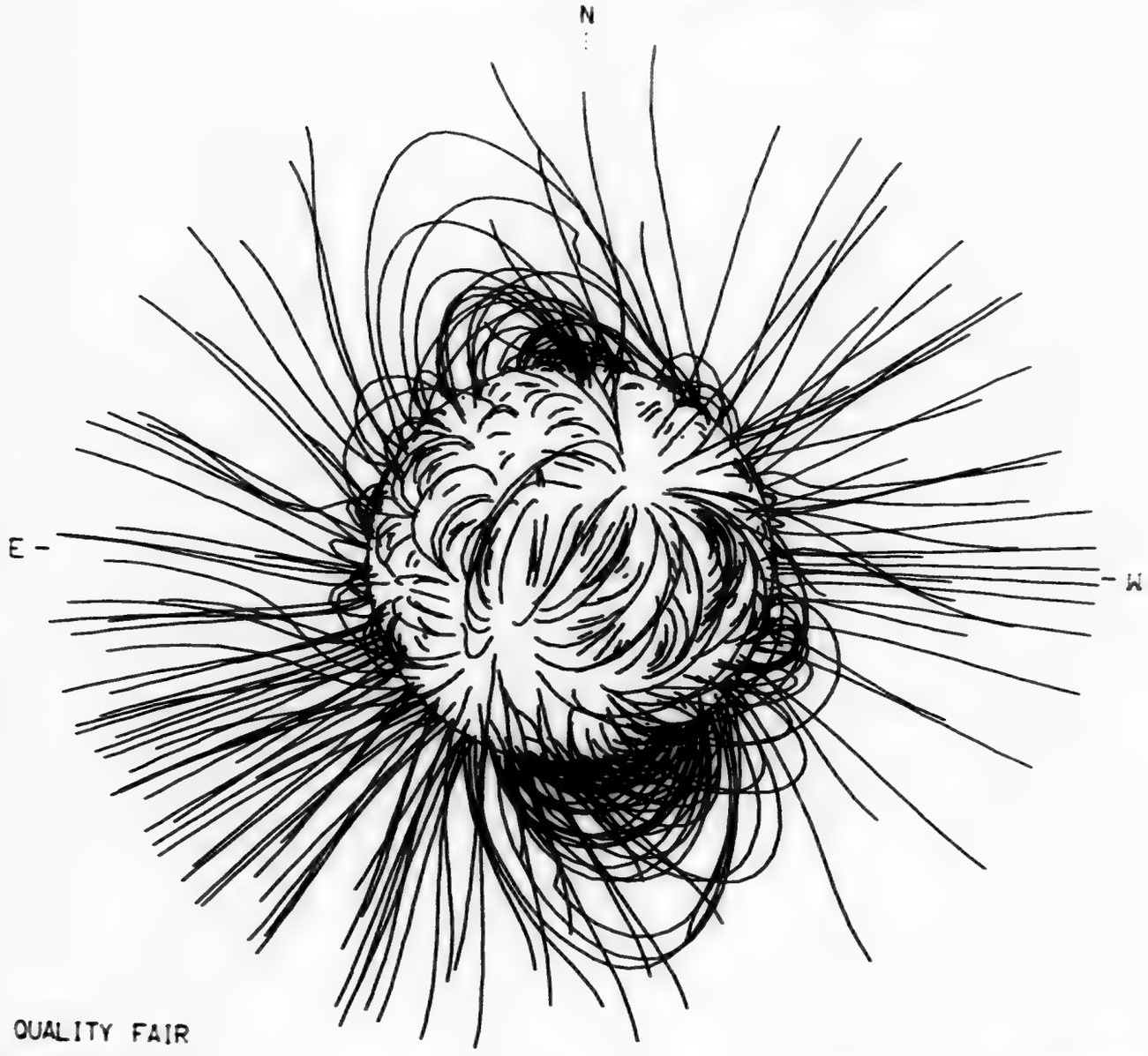
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 160°

19.4 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1437.00

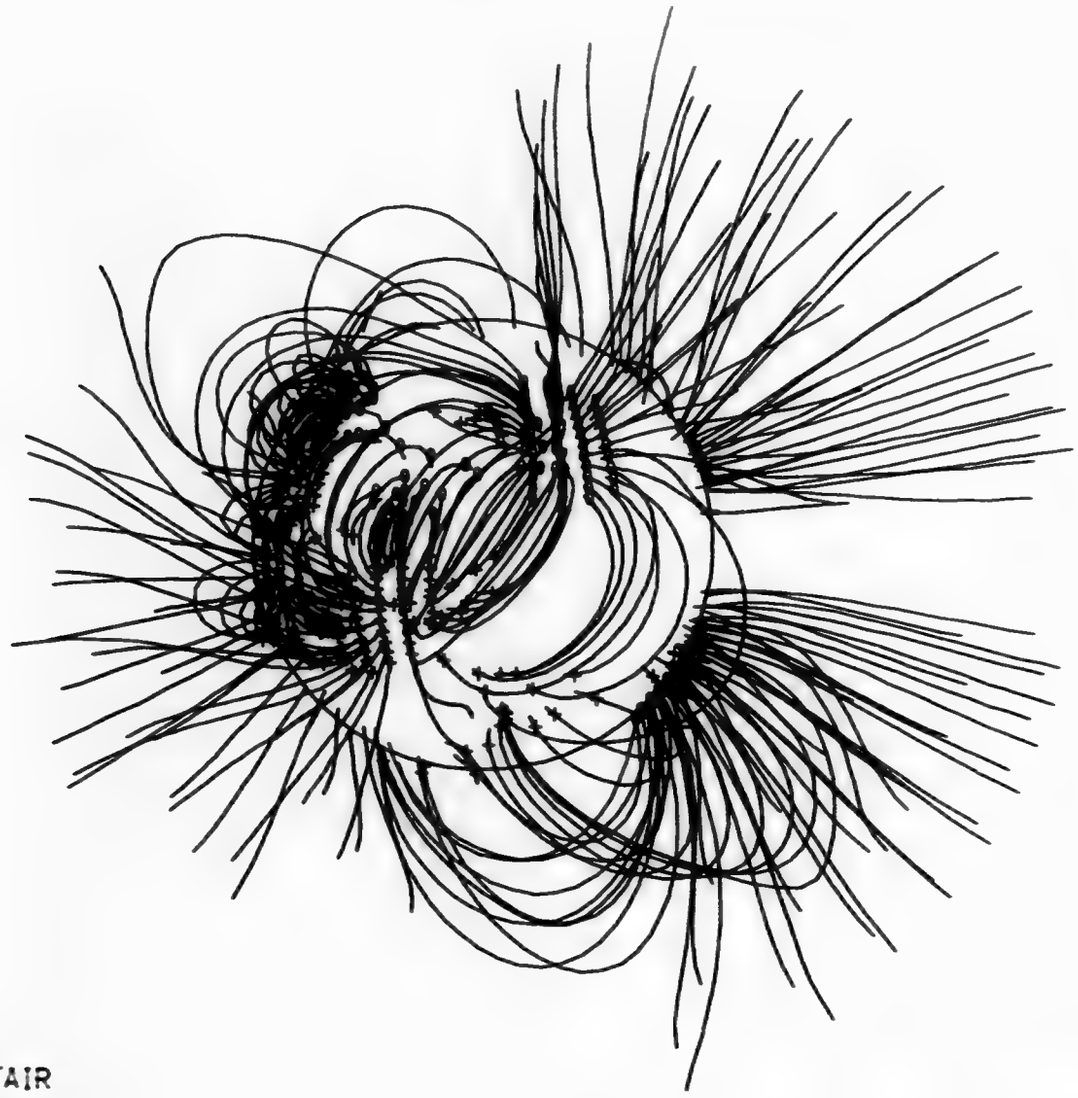
ROT. 1437 LONG. 150°

20.2 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E –



– W

QUALITY FAIR

POLES DIRECT

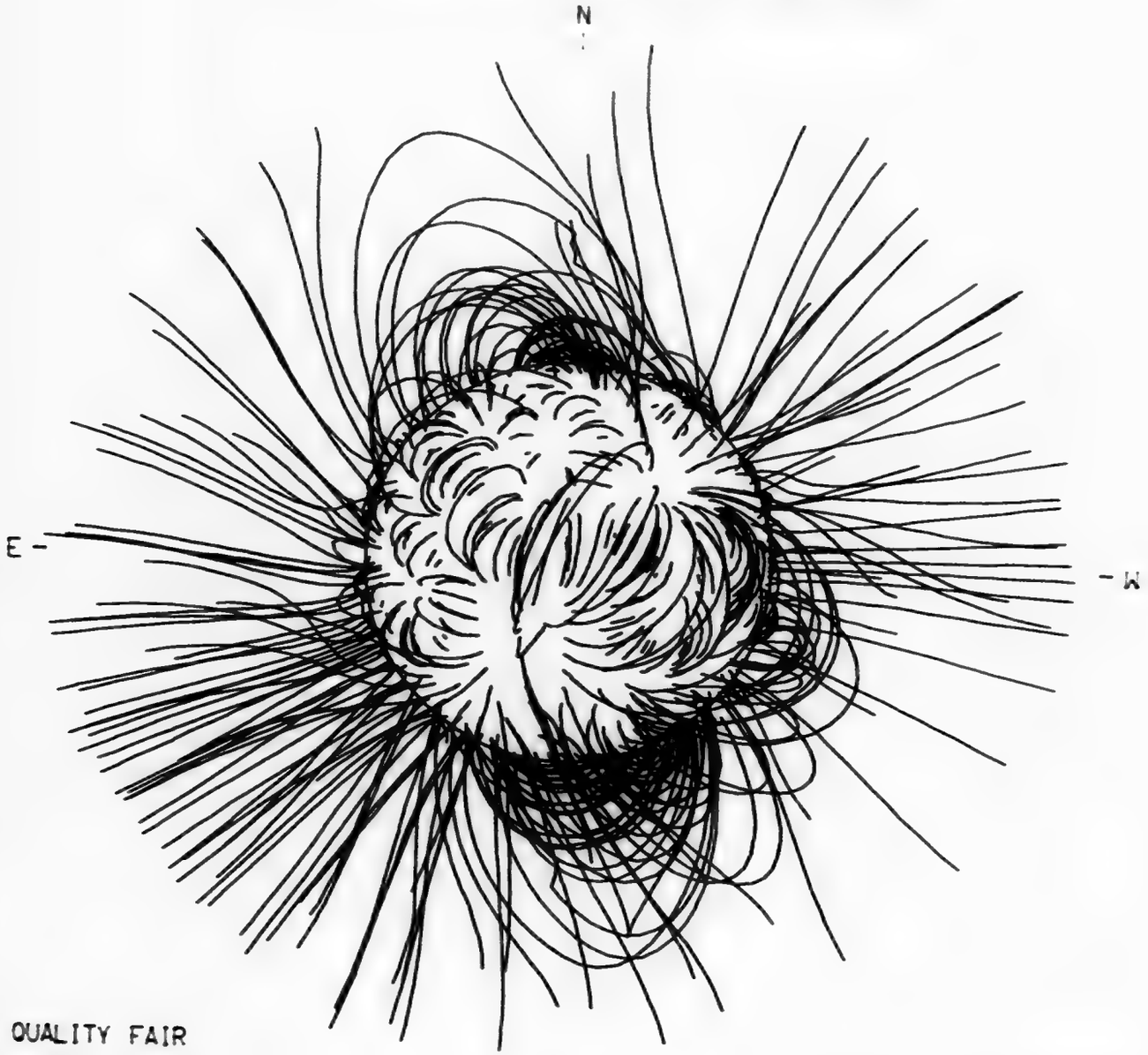
DATA WINDOW 1437.00

S

ROT. 1437 LONG. 150°

20.2 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

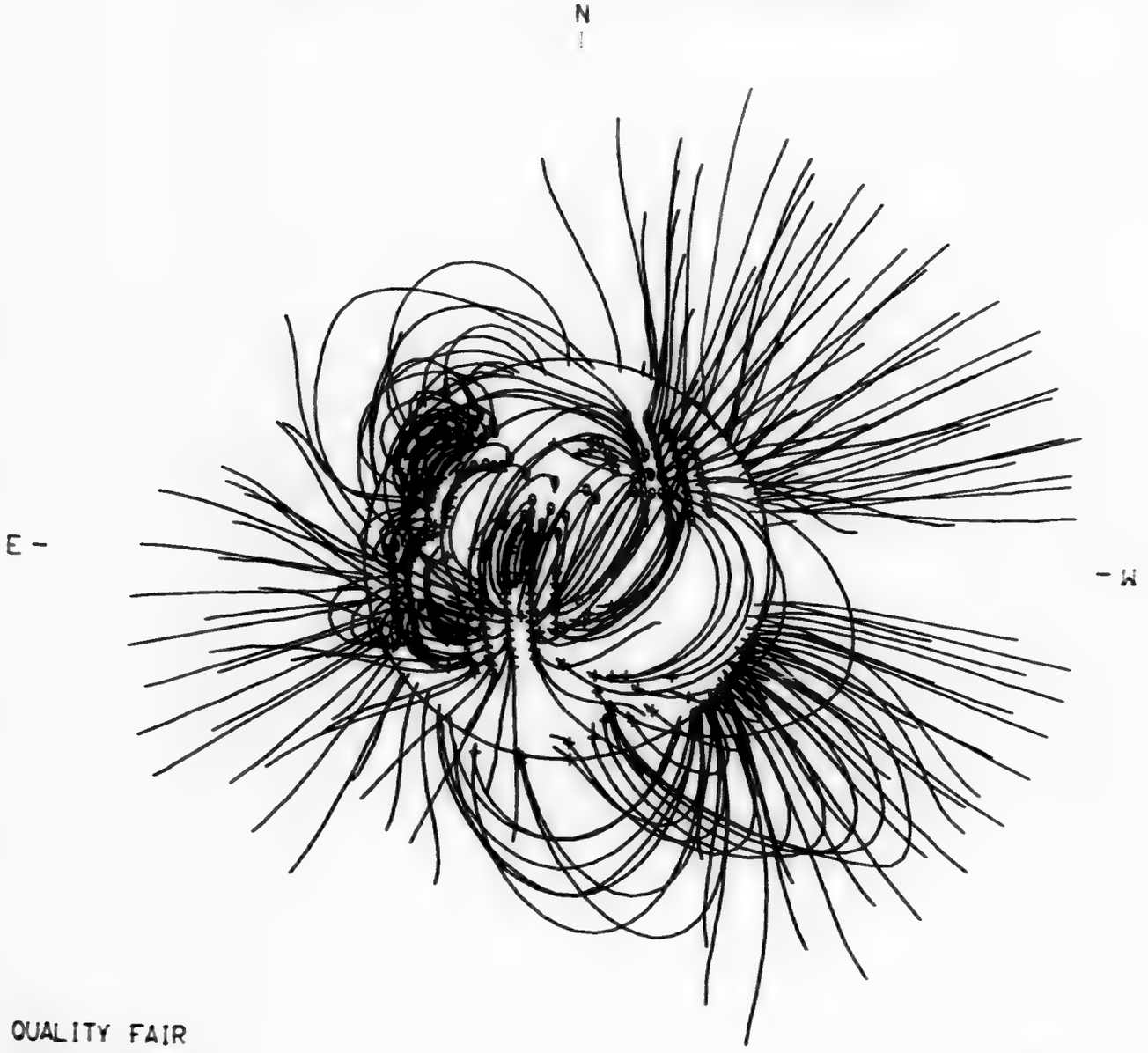
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 120°

21.0 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

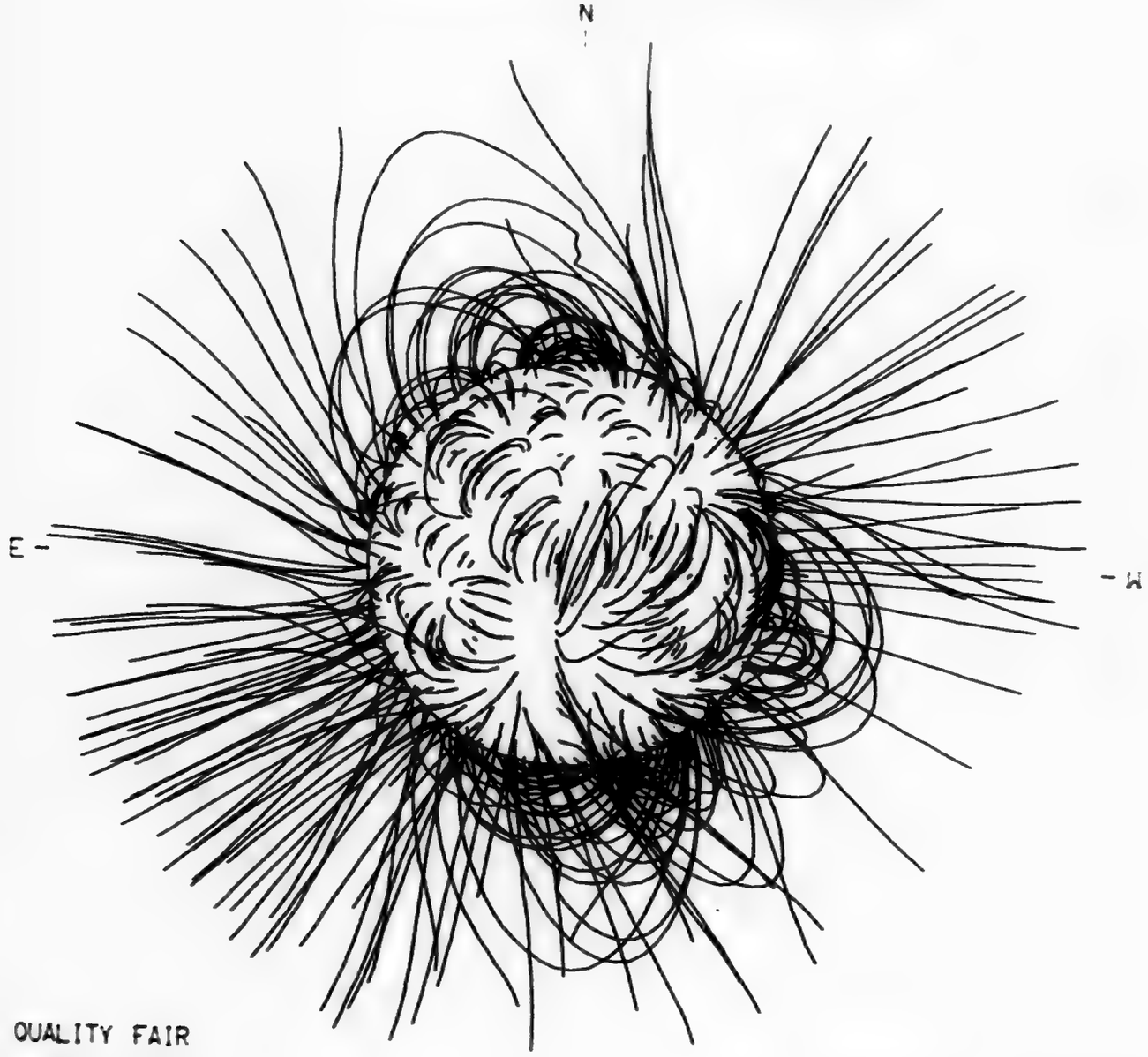
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 1[illegible]°

21.0 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

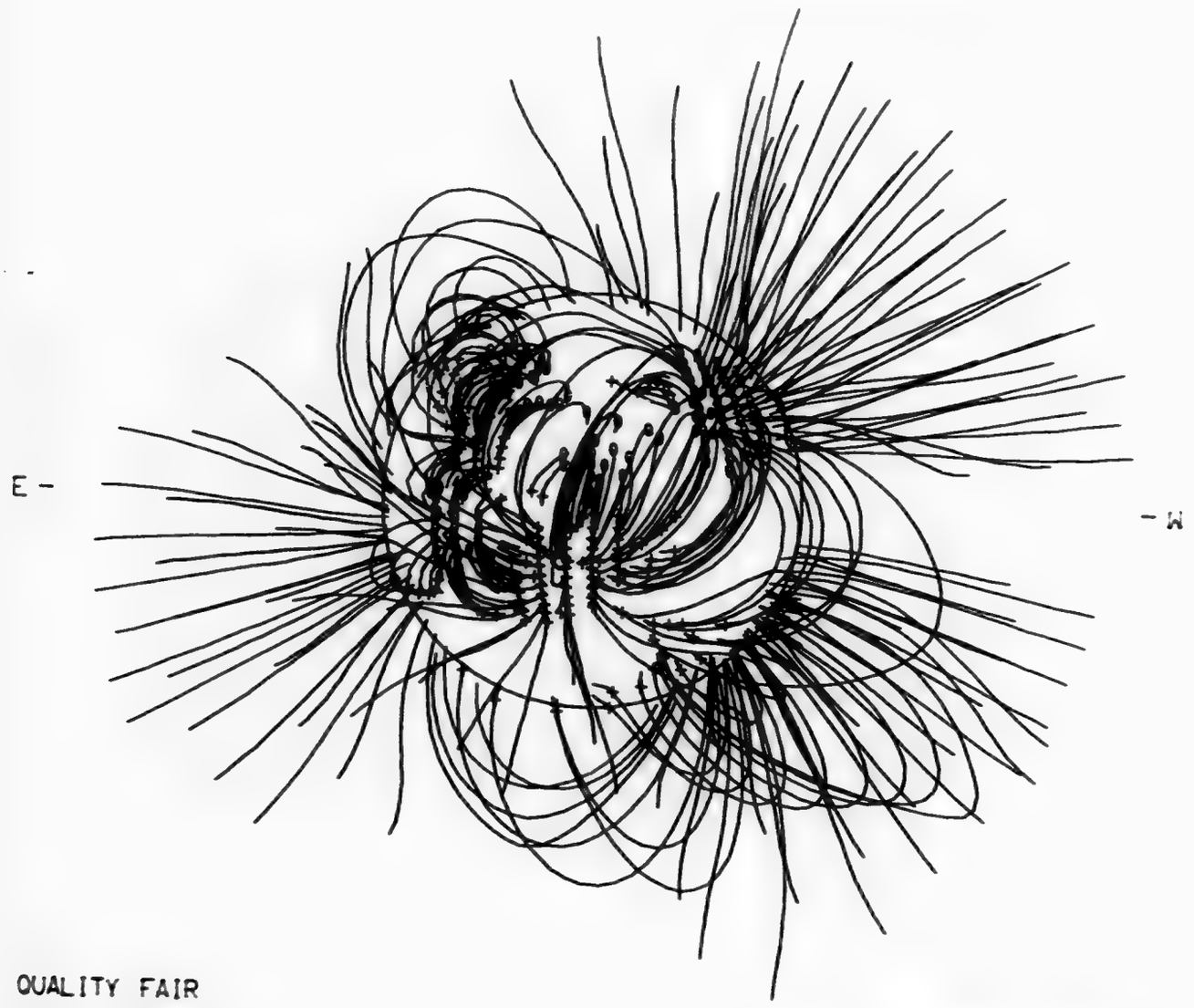
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 13[illegible]°

21.7 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

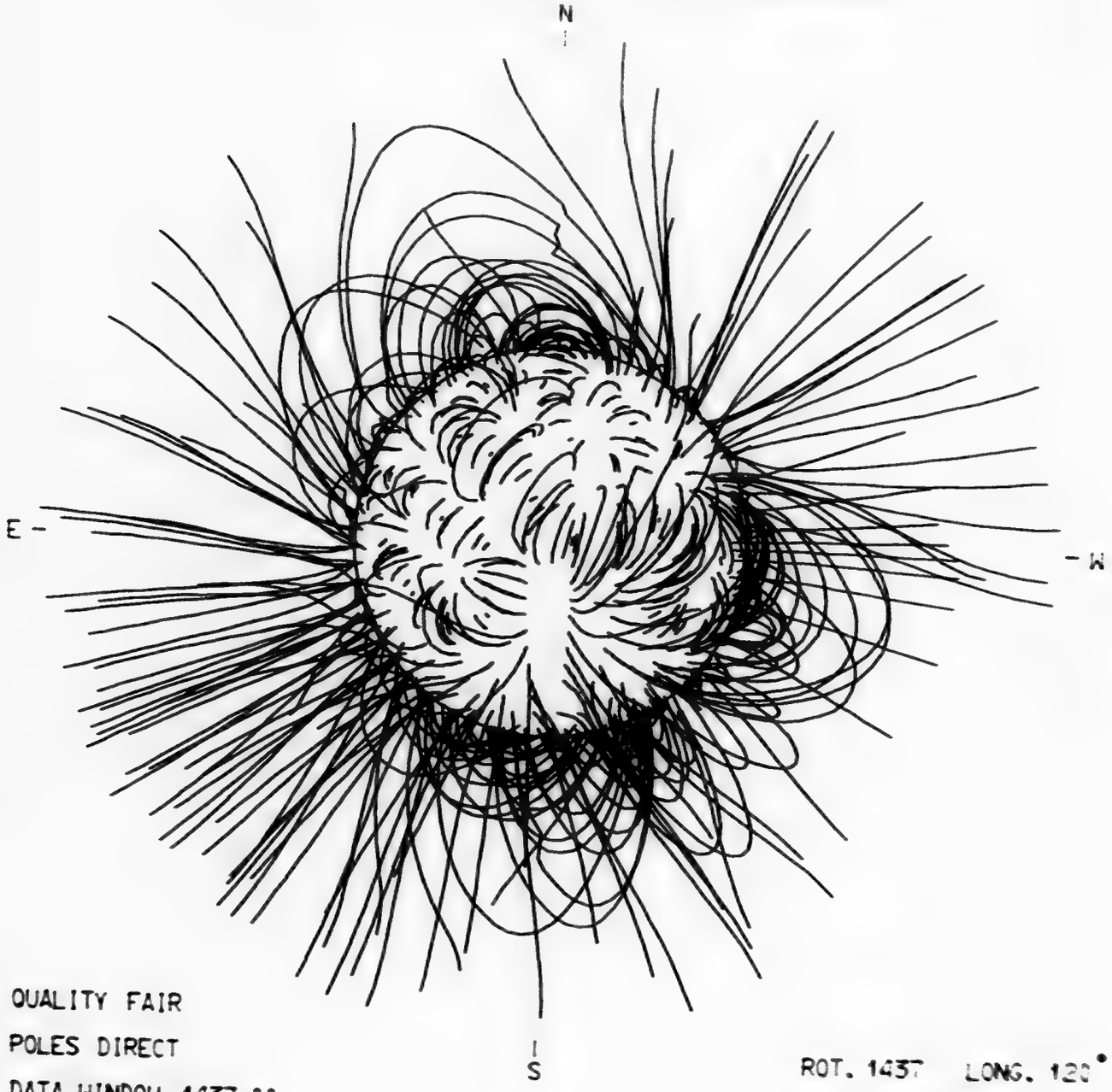
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 132°

21.7 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

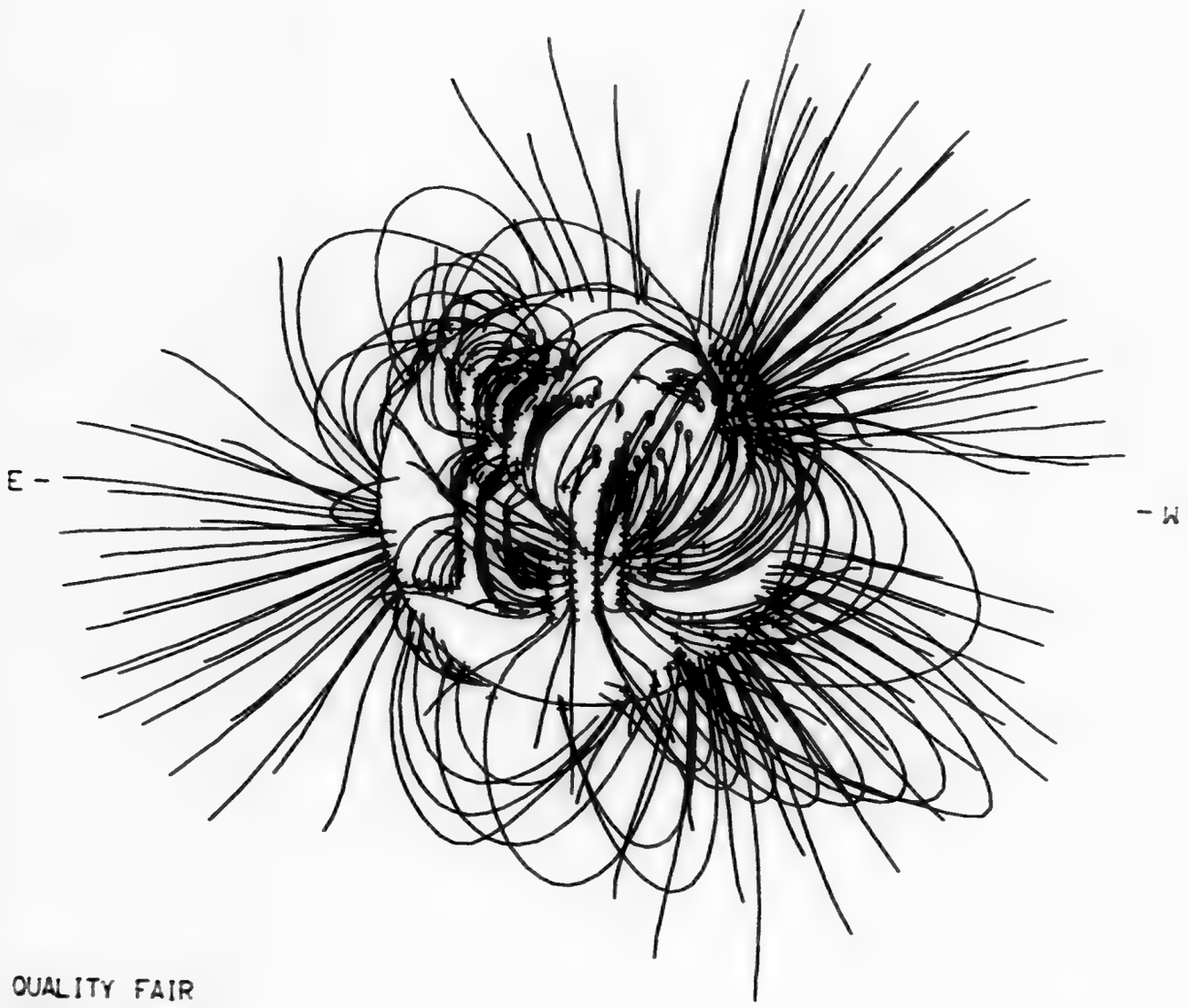
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 120°

22.5 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

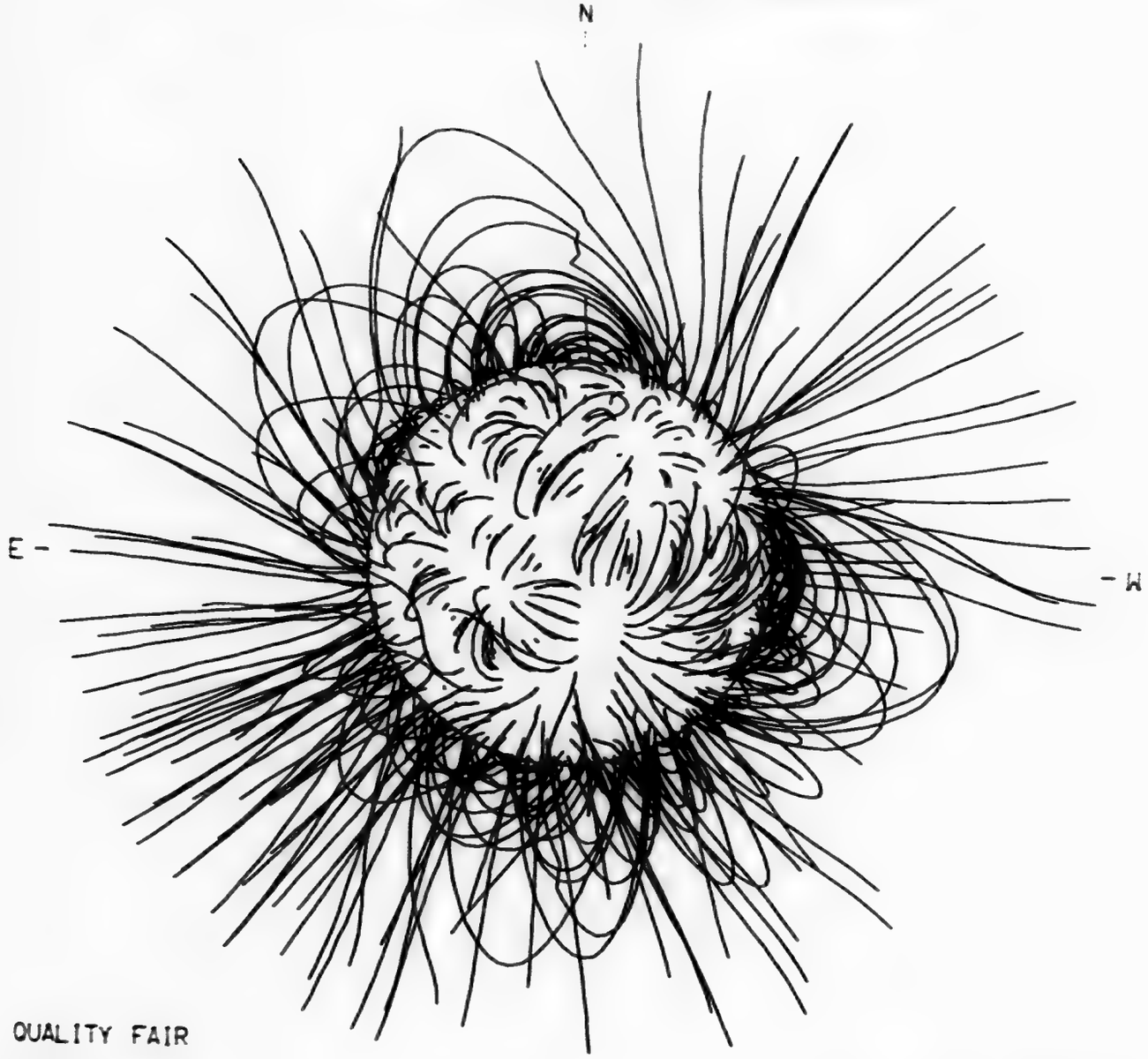
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 12[illegible]°

22.5 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

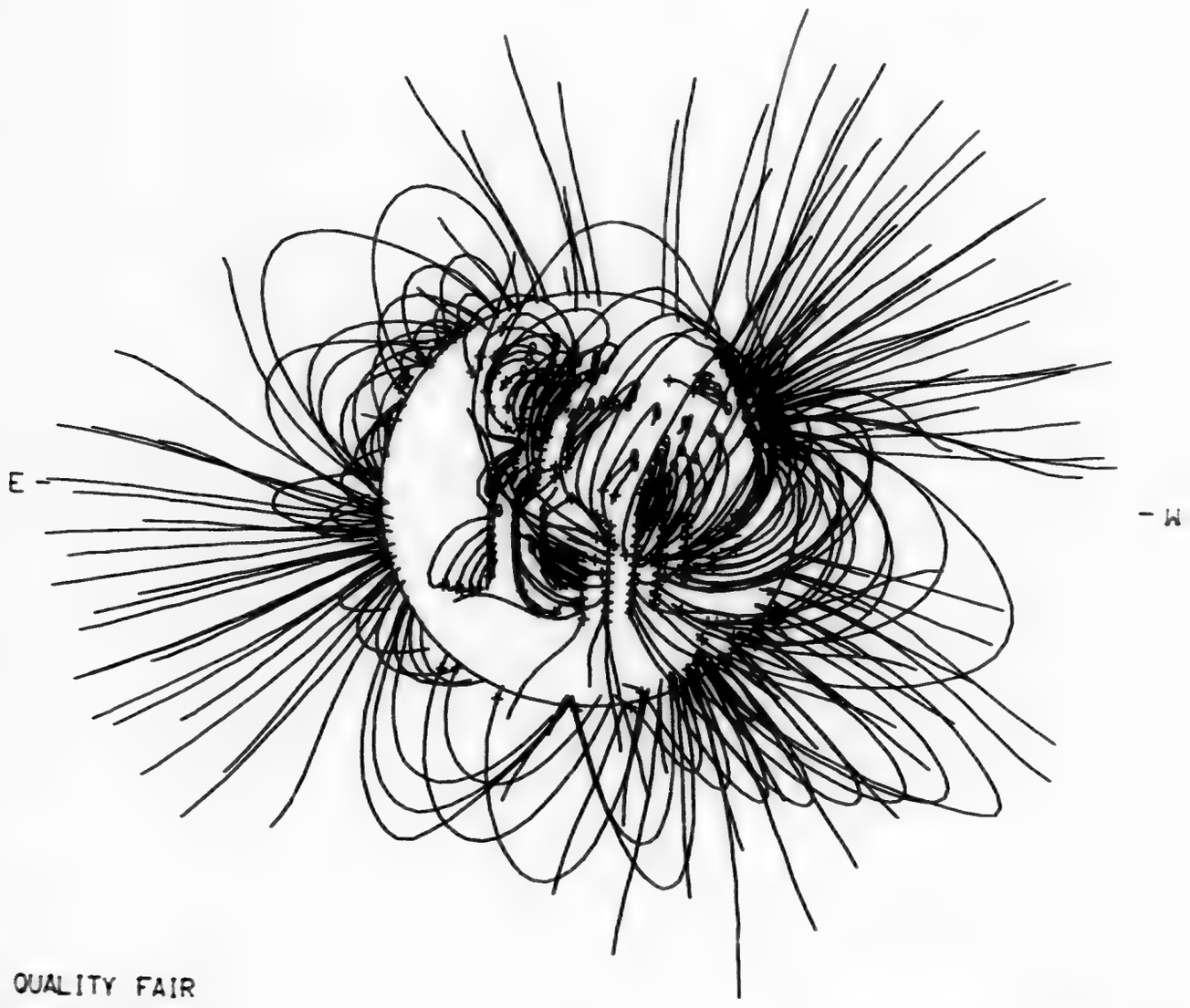
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 11?°

23.2 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

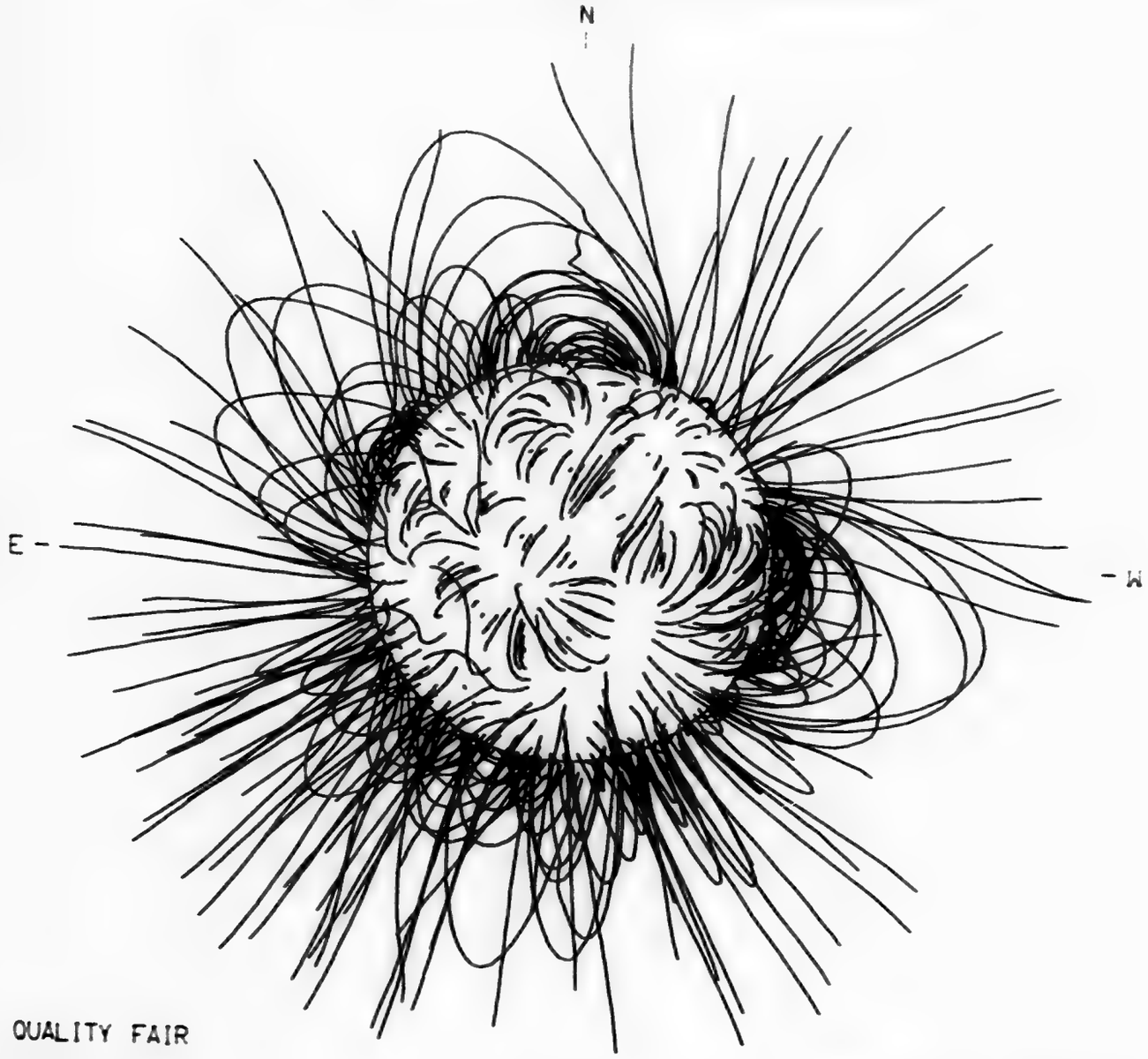
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 113°

23.2 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 100°

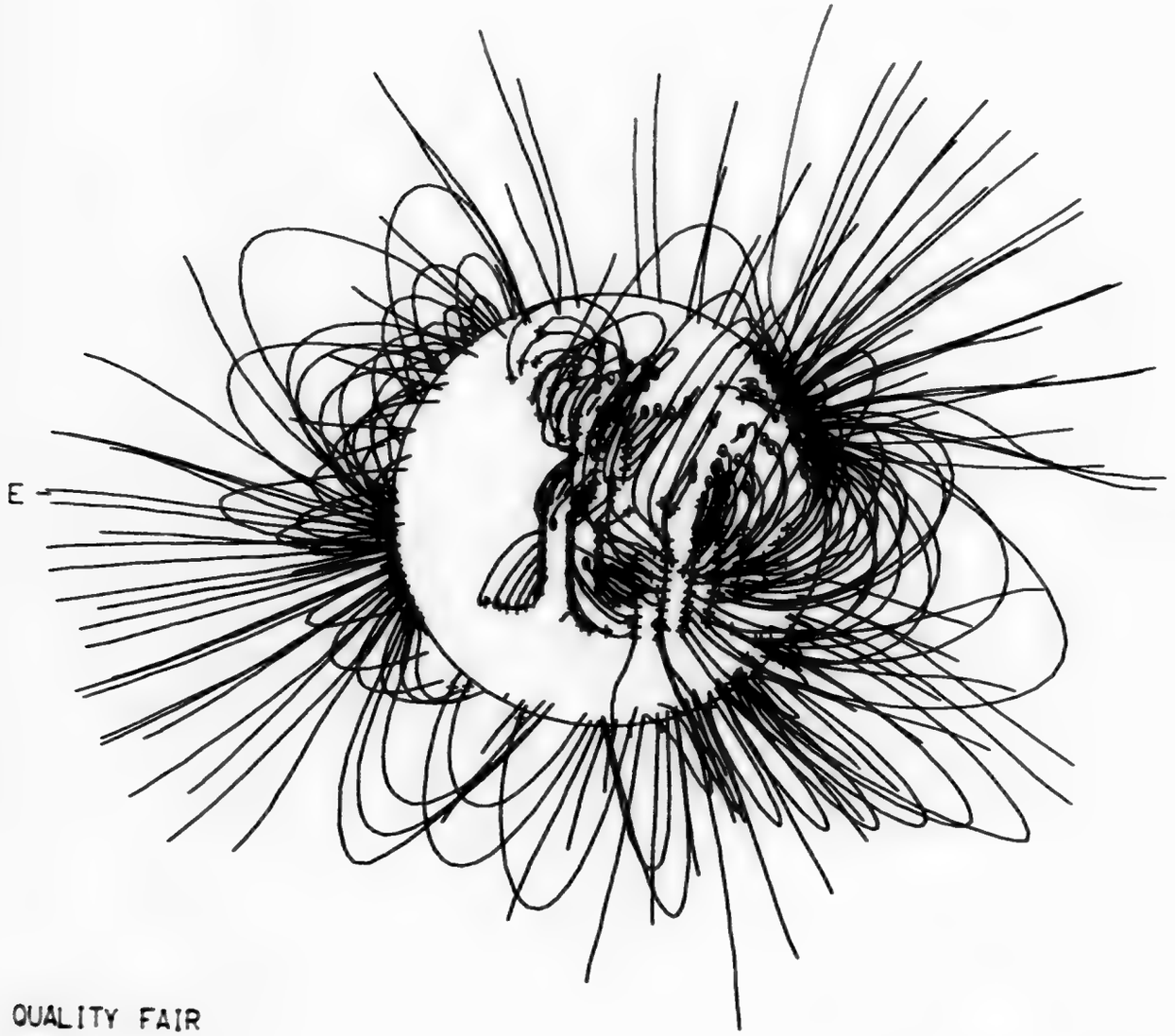
24.0 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E

W



S

QUALITY FAIR

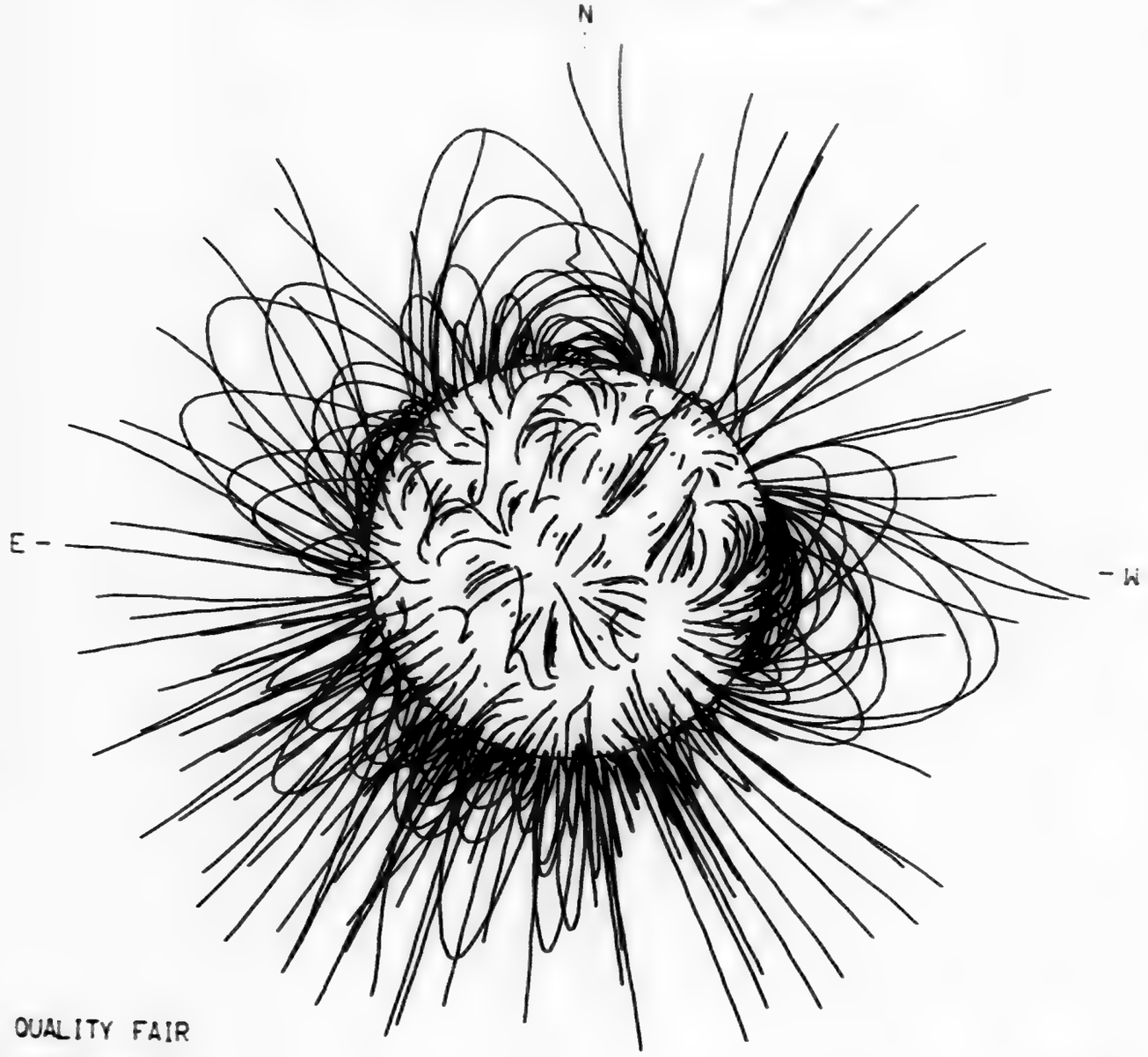
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 100°

24.0 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

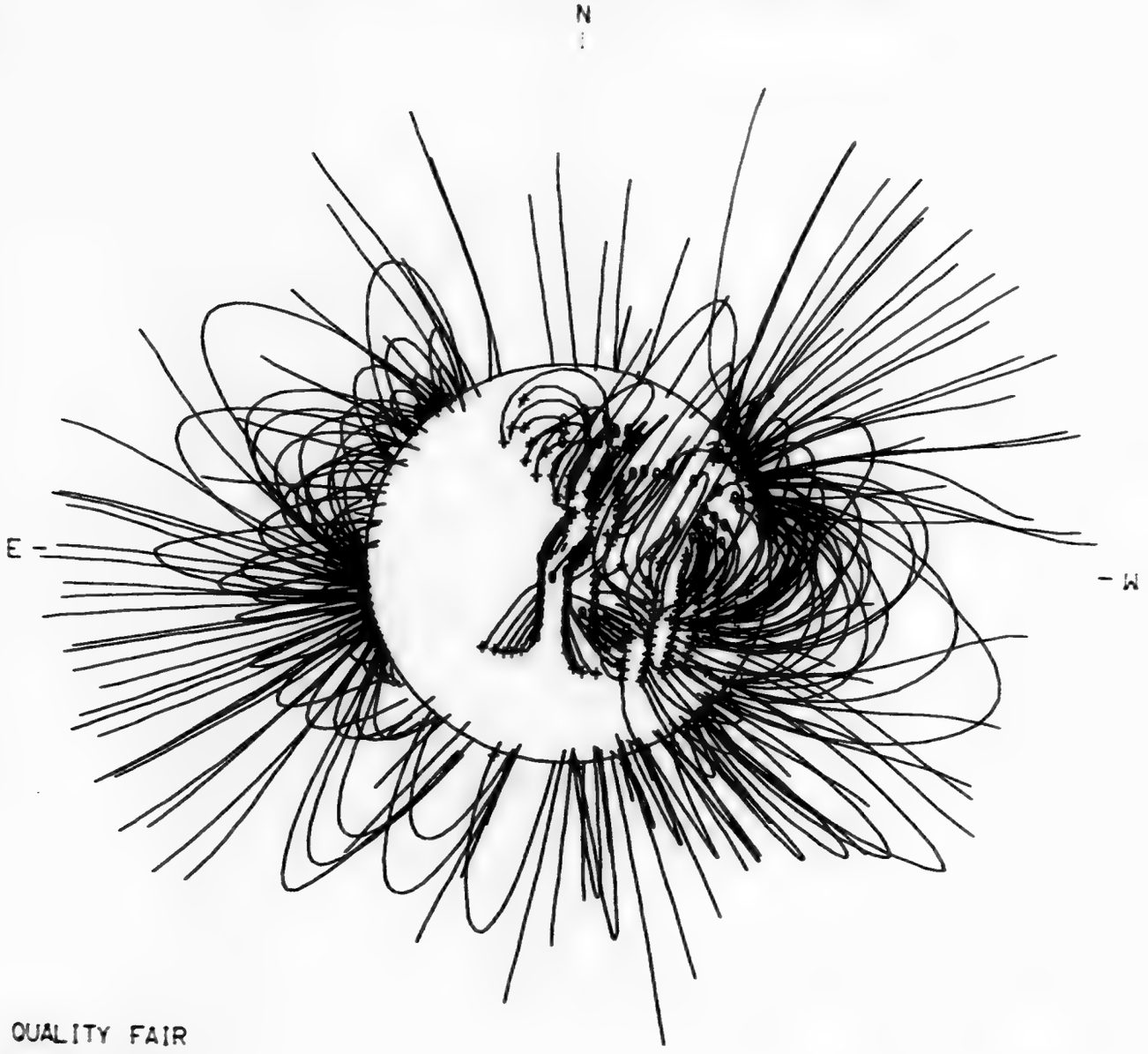
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 93°

24.7 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

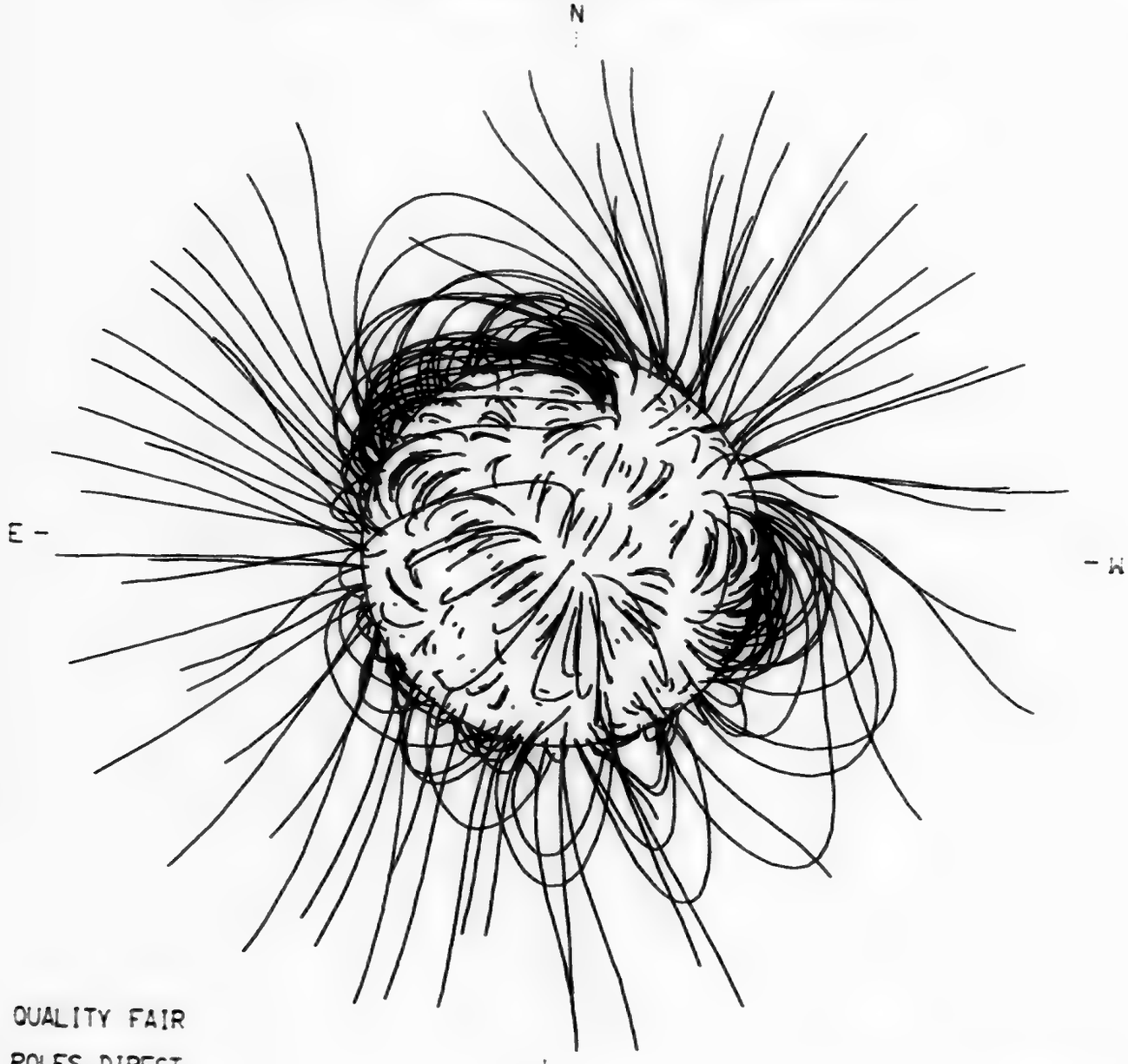
POLES DIRECT

DATA WINDOW 1437.00

ROT. 1437 LONG. 90°

24.7 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

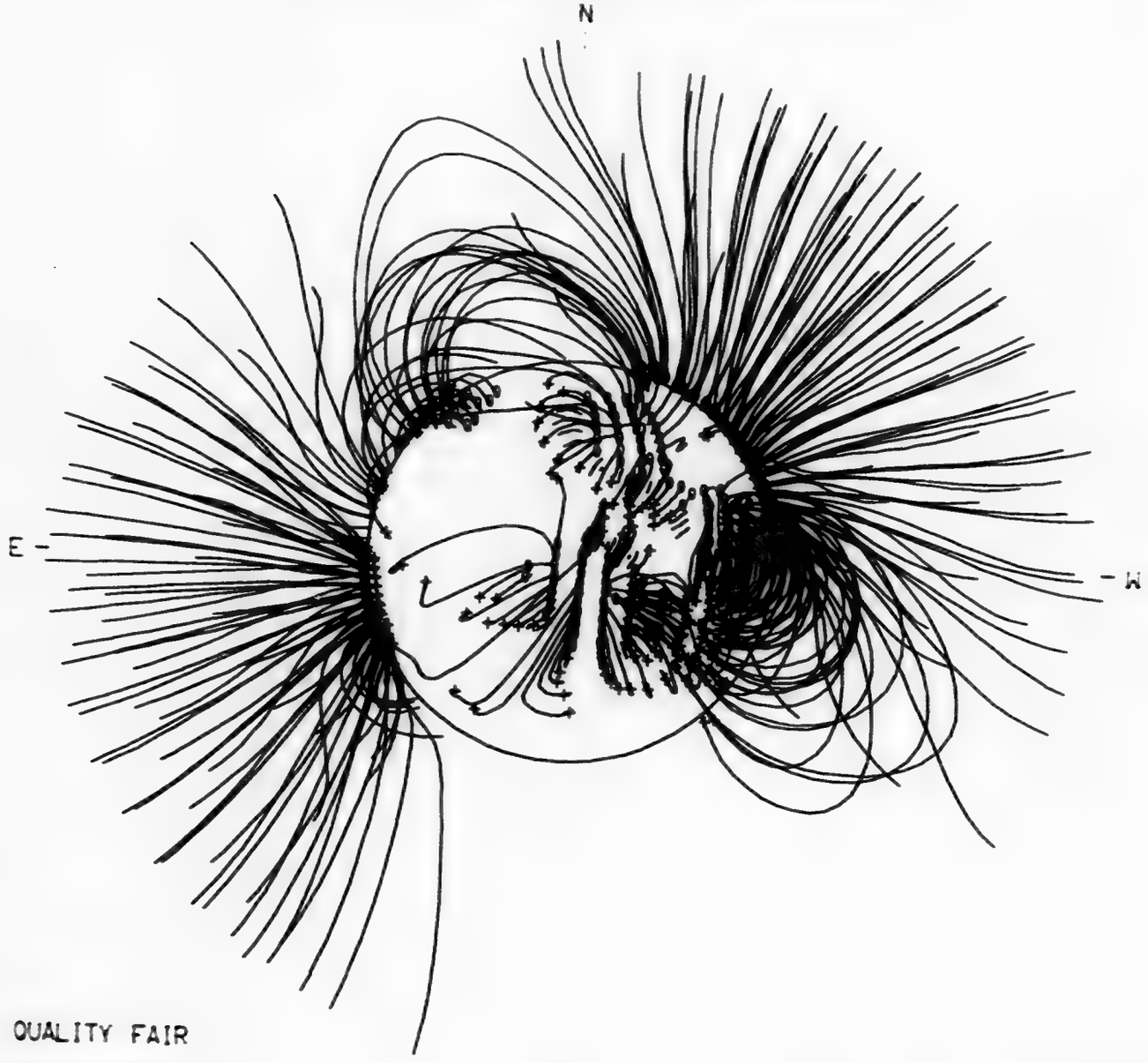
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1437 LONG. 82°

25.5 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

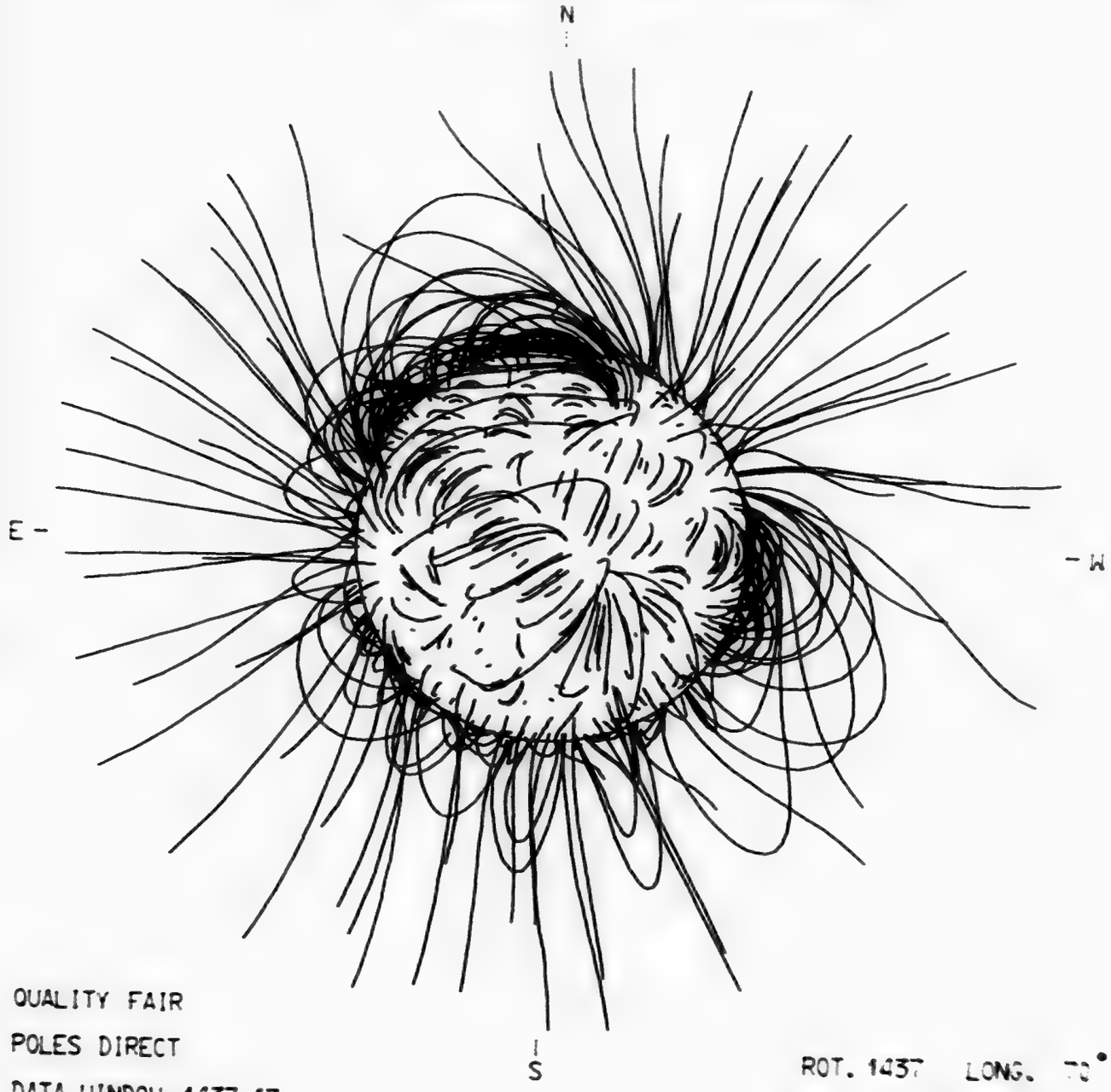
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1437 LONG. 80°

25.5 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

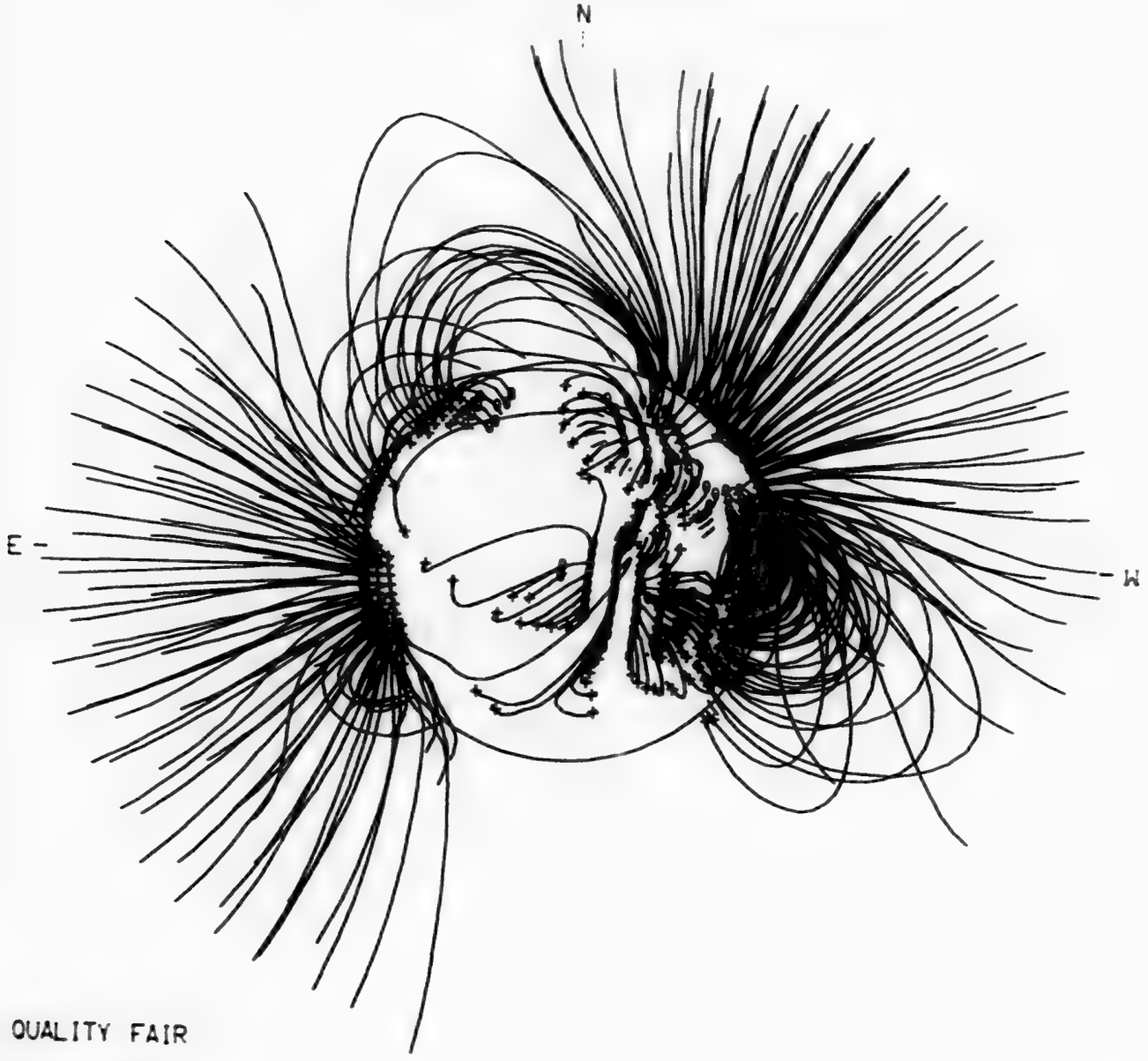
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1437 LONG. 70°

26.3 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

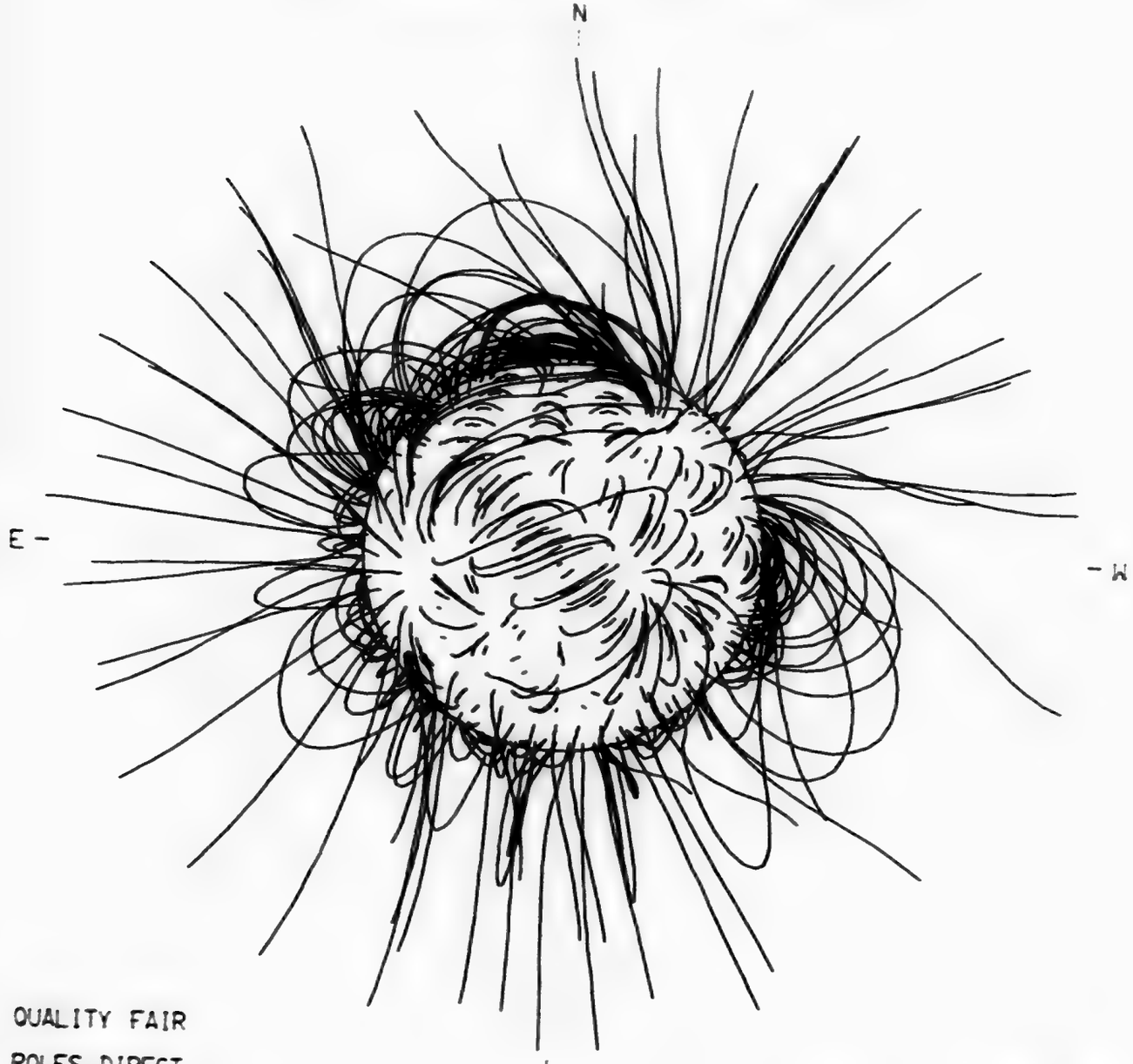
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1437 LONG. 75°

26.3 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

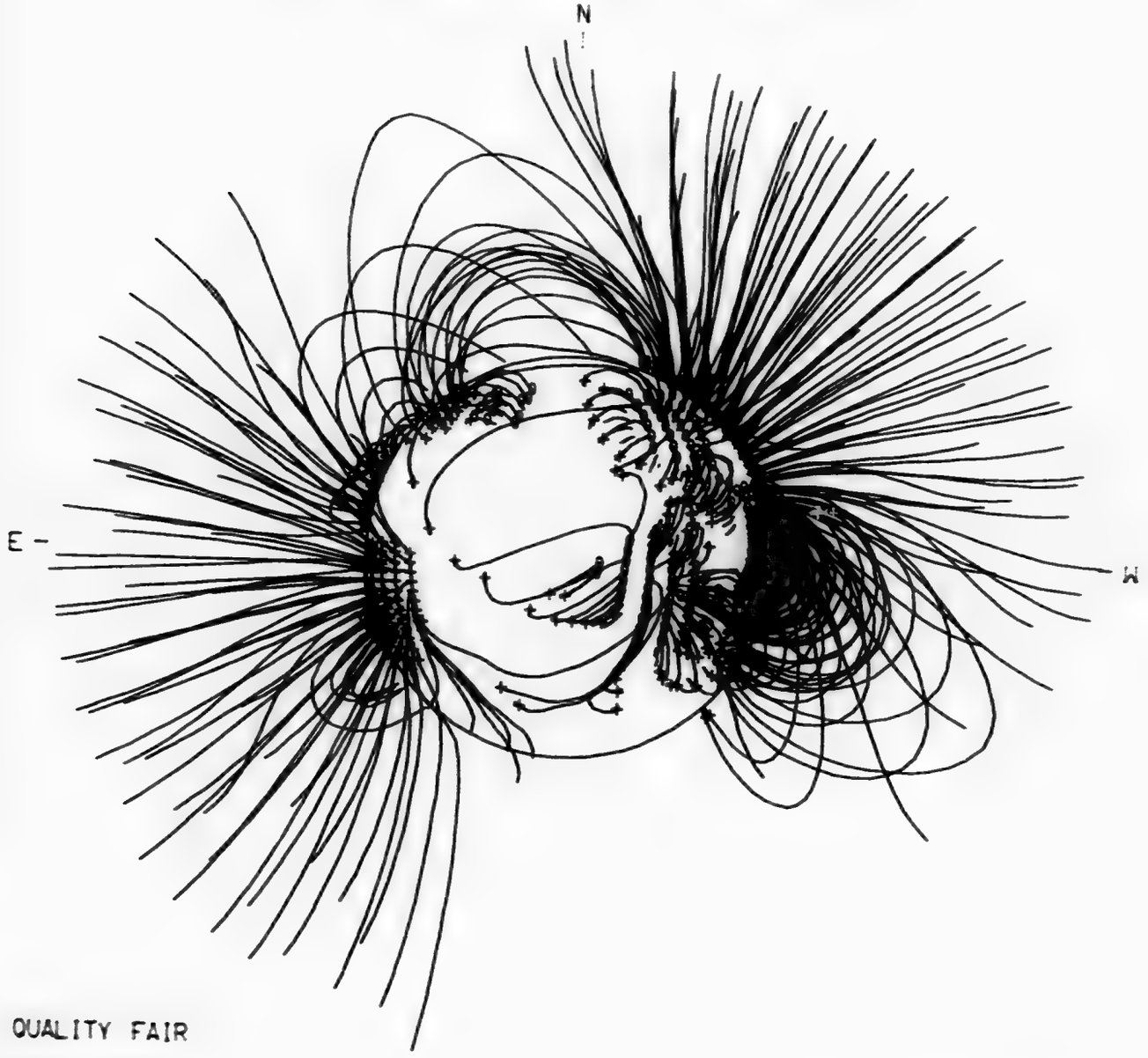
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1437 LONG. 60°

27.0 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

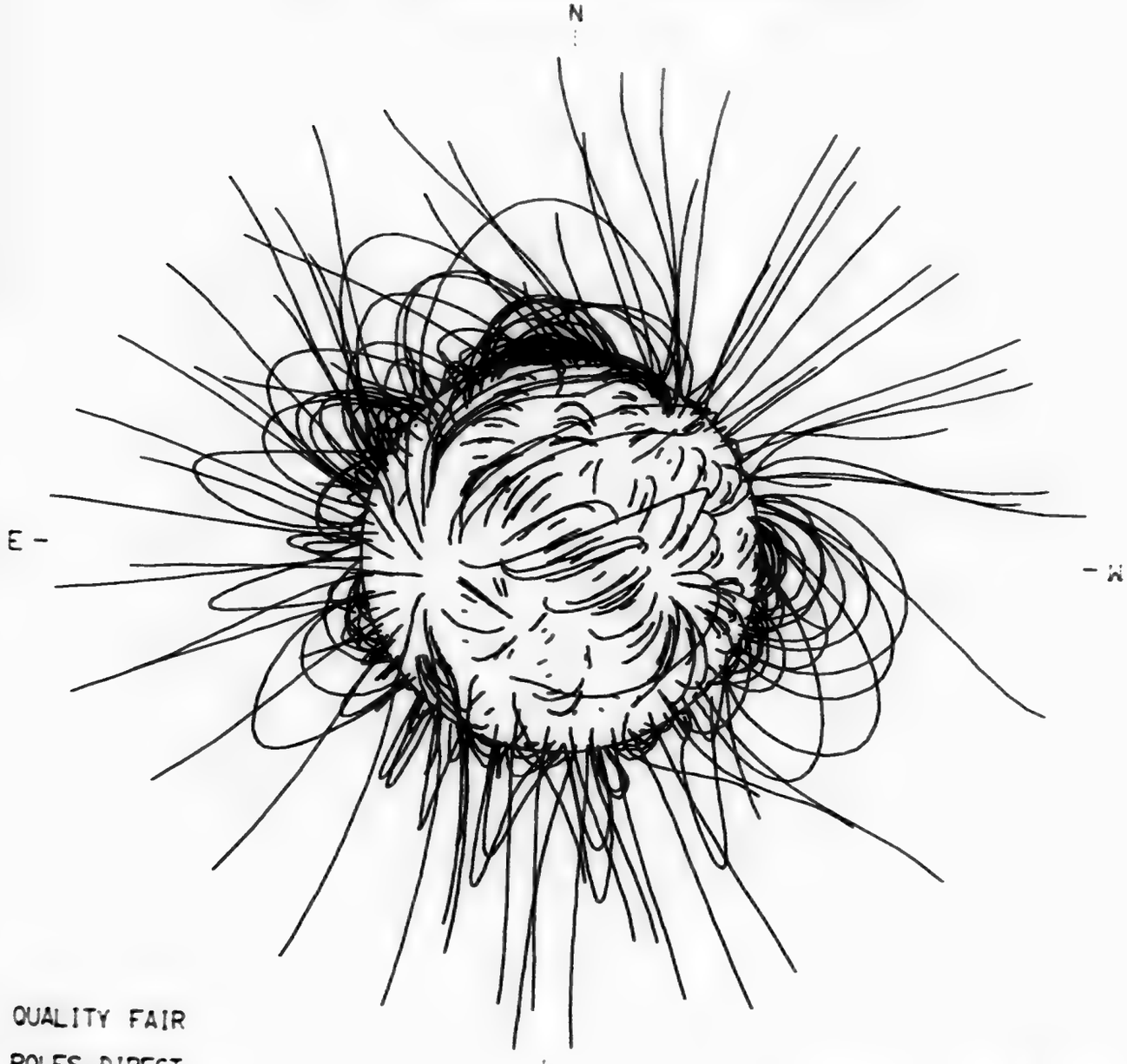
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1437 LONG. 60°

27.0 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

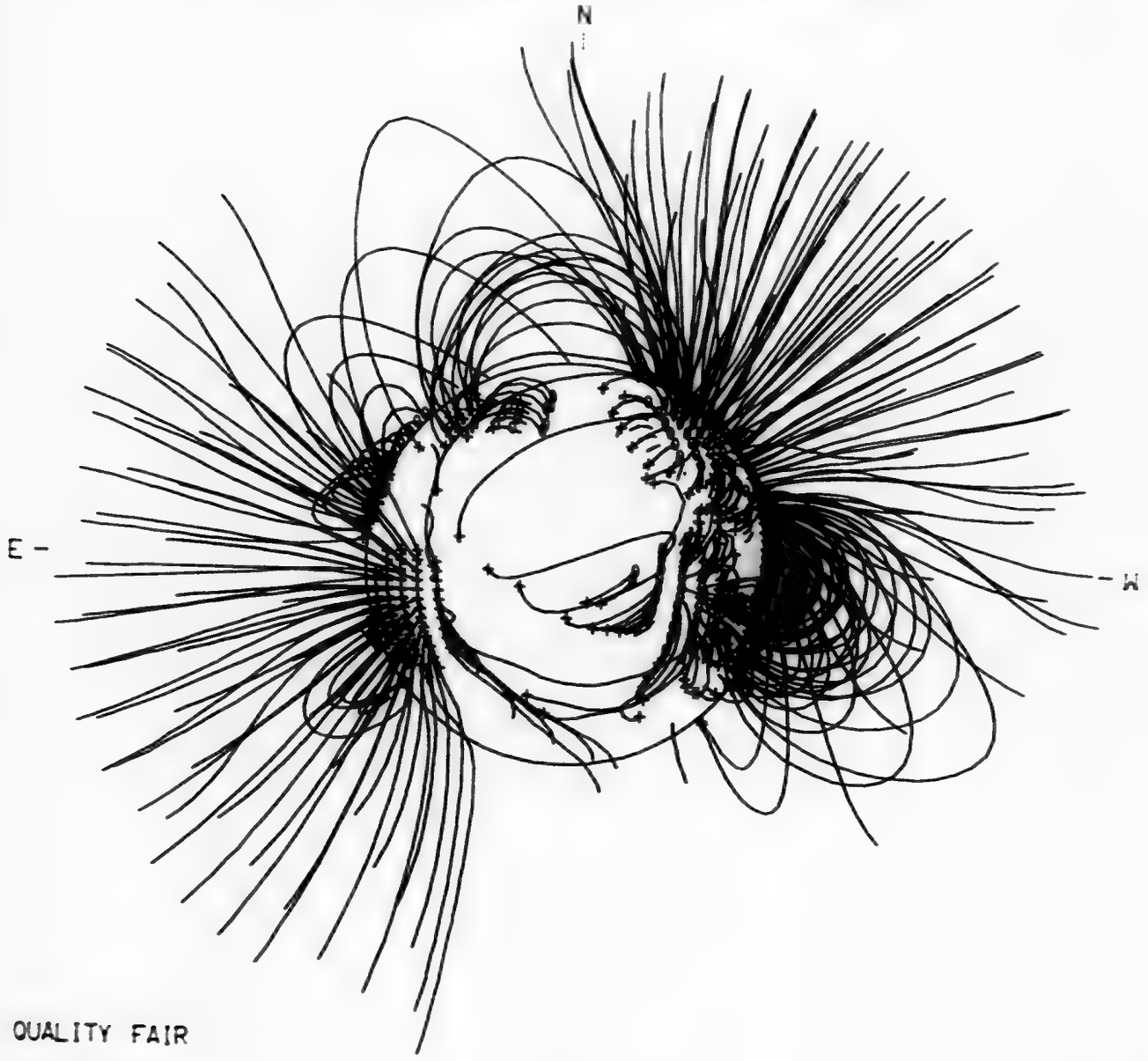
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1437 LONG. 5[illegible]°

27.8 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

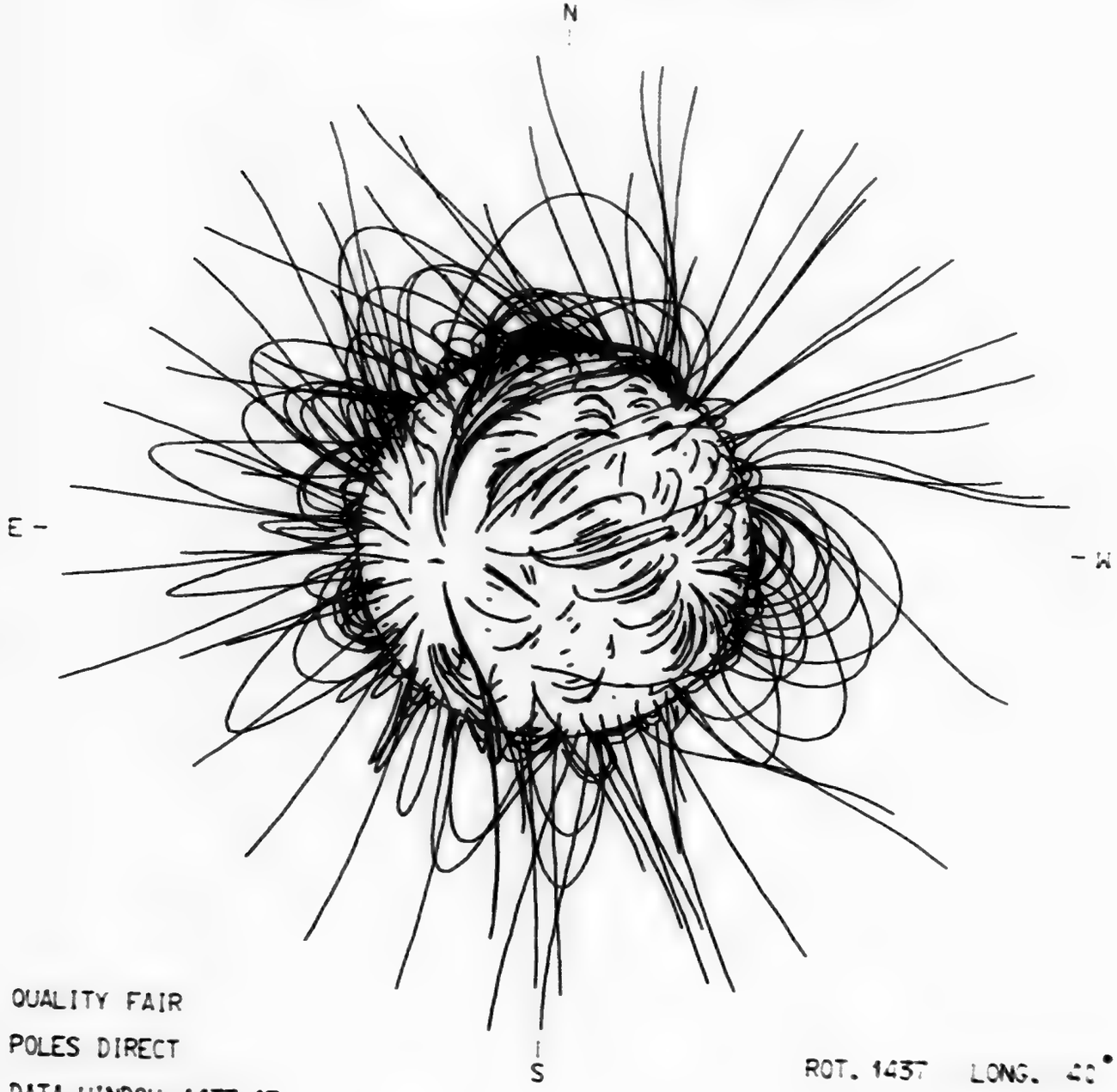
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1437 LONG. 5[illegible]°

27.8 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

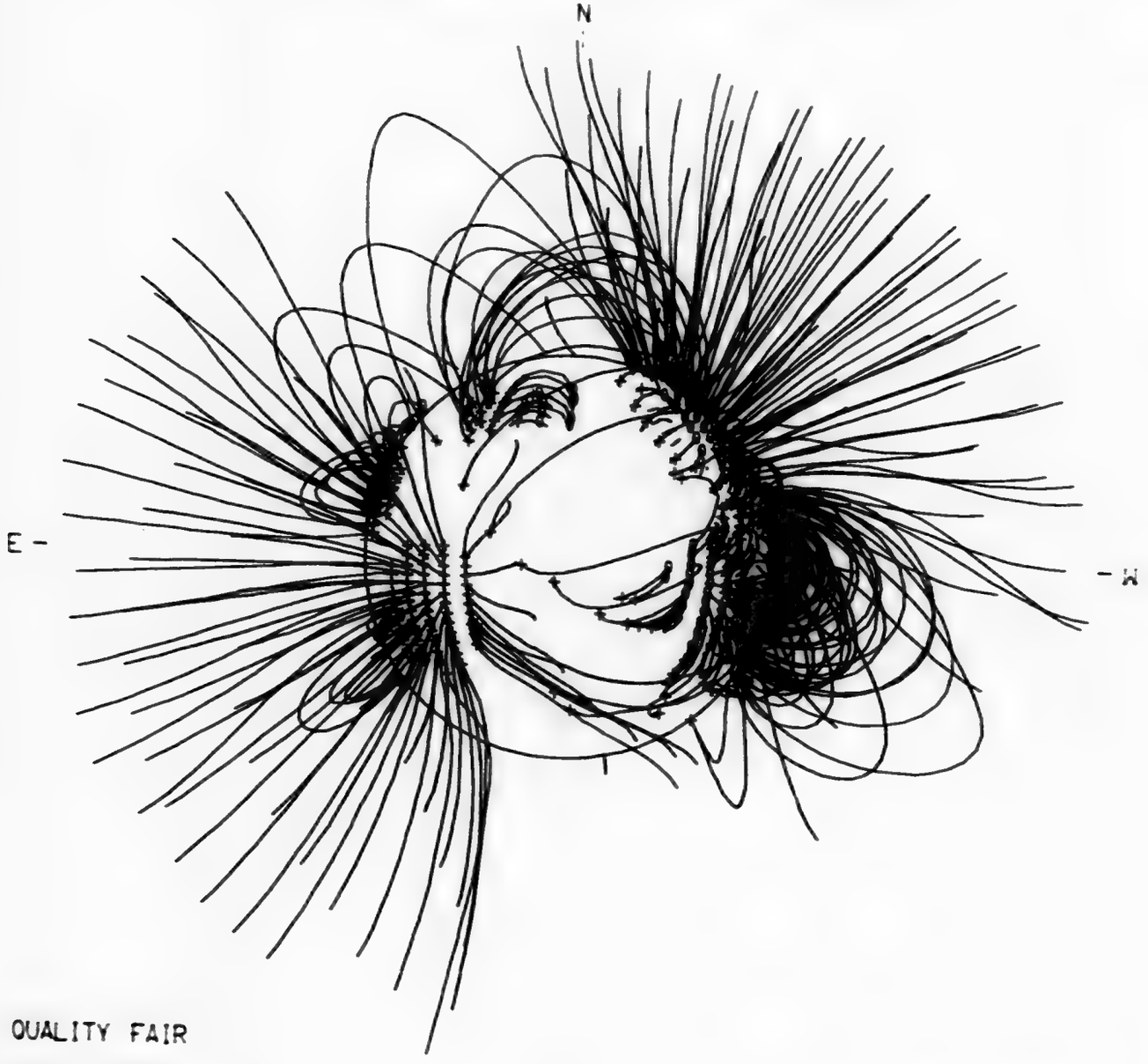
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1437 LONG. 40°

28.5 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

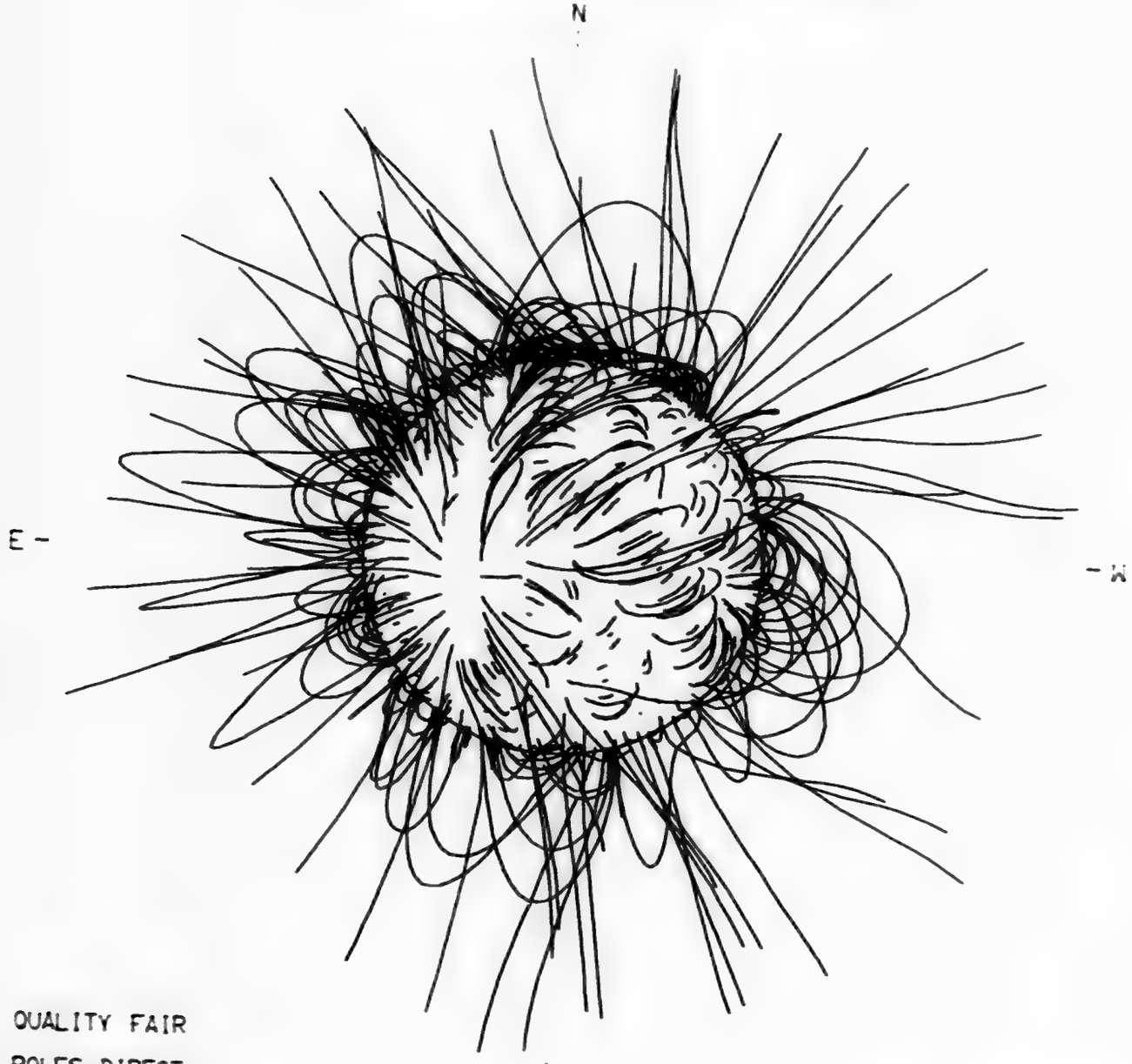
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1437 LONG. 22°

28.5 FEB 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

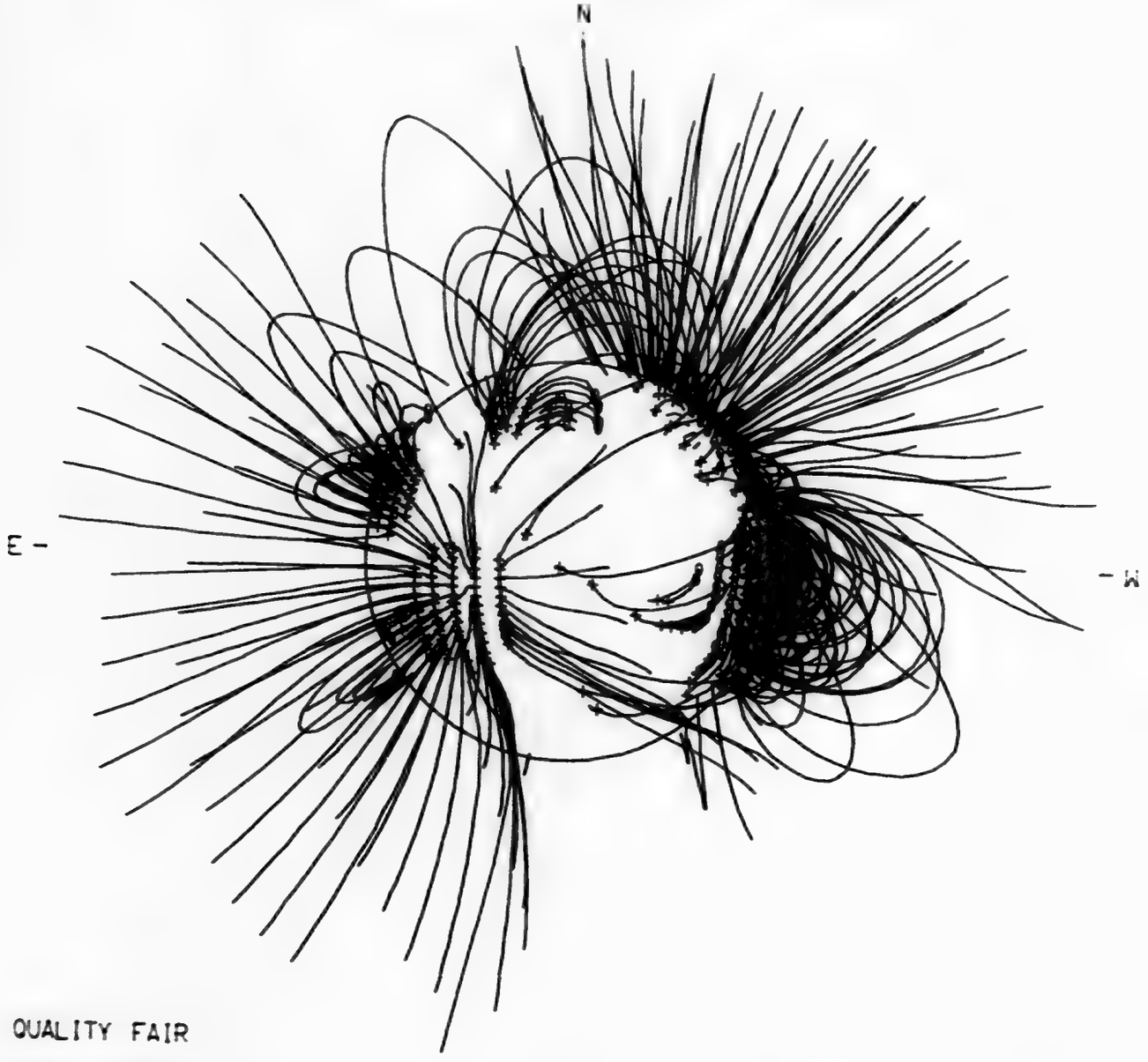
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1437 LONG. 3[illegible]°

13 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

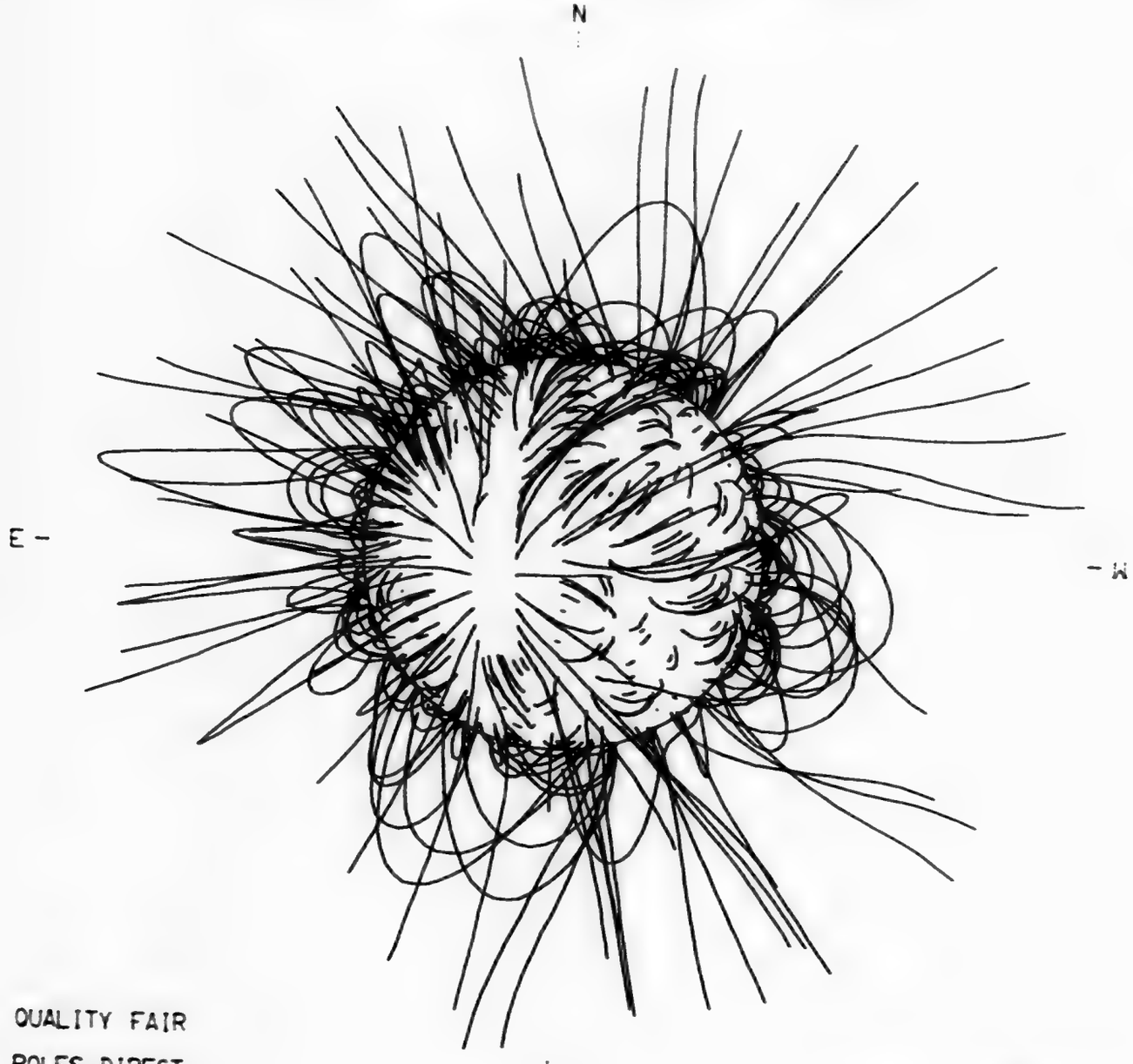
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1437 LONG. 30°

13 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

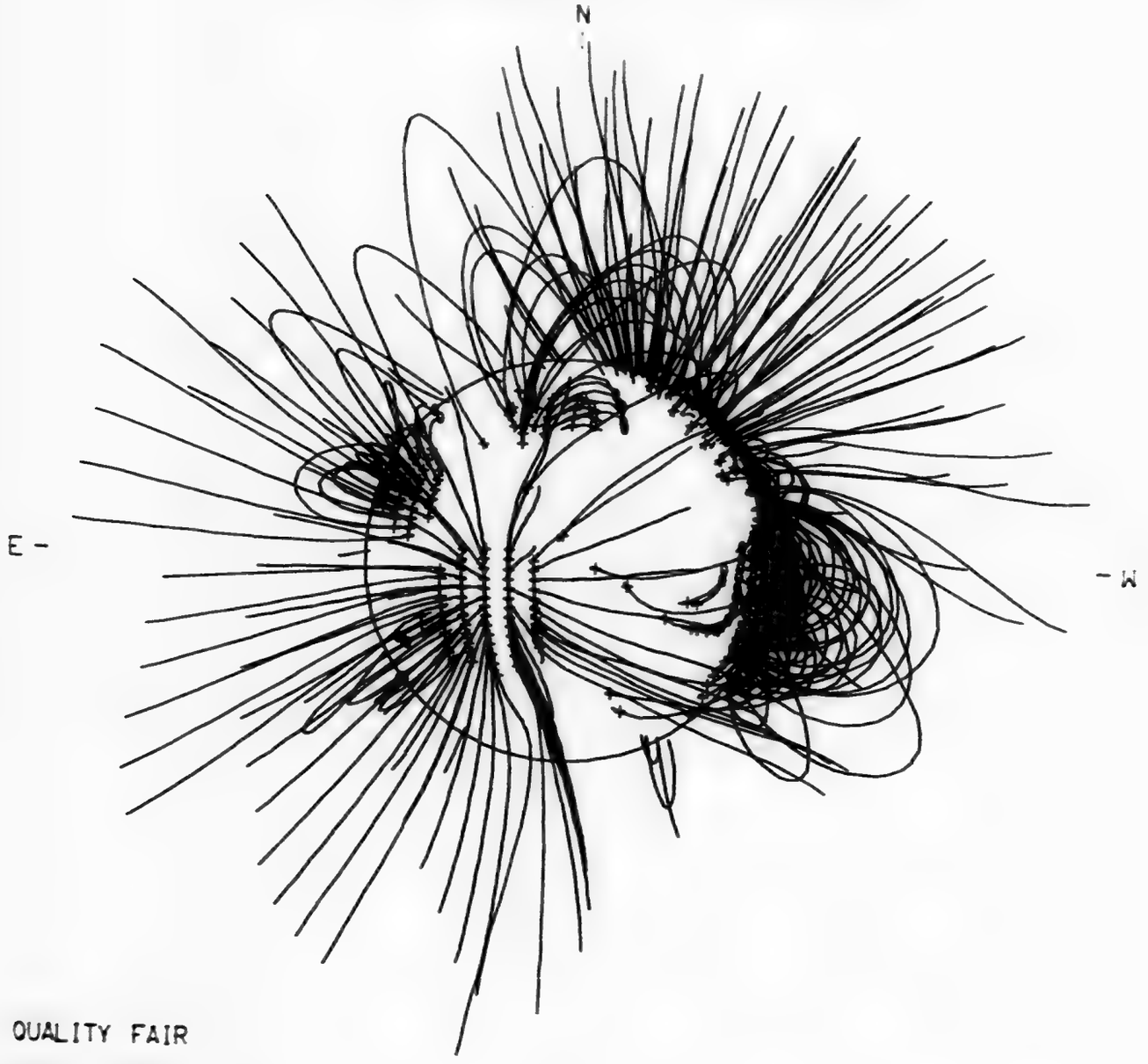
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1437 LONG. 2[illegible]°

21 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

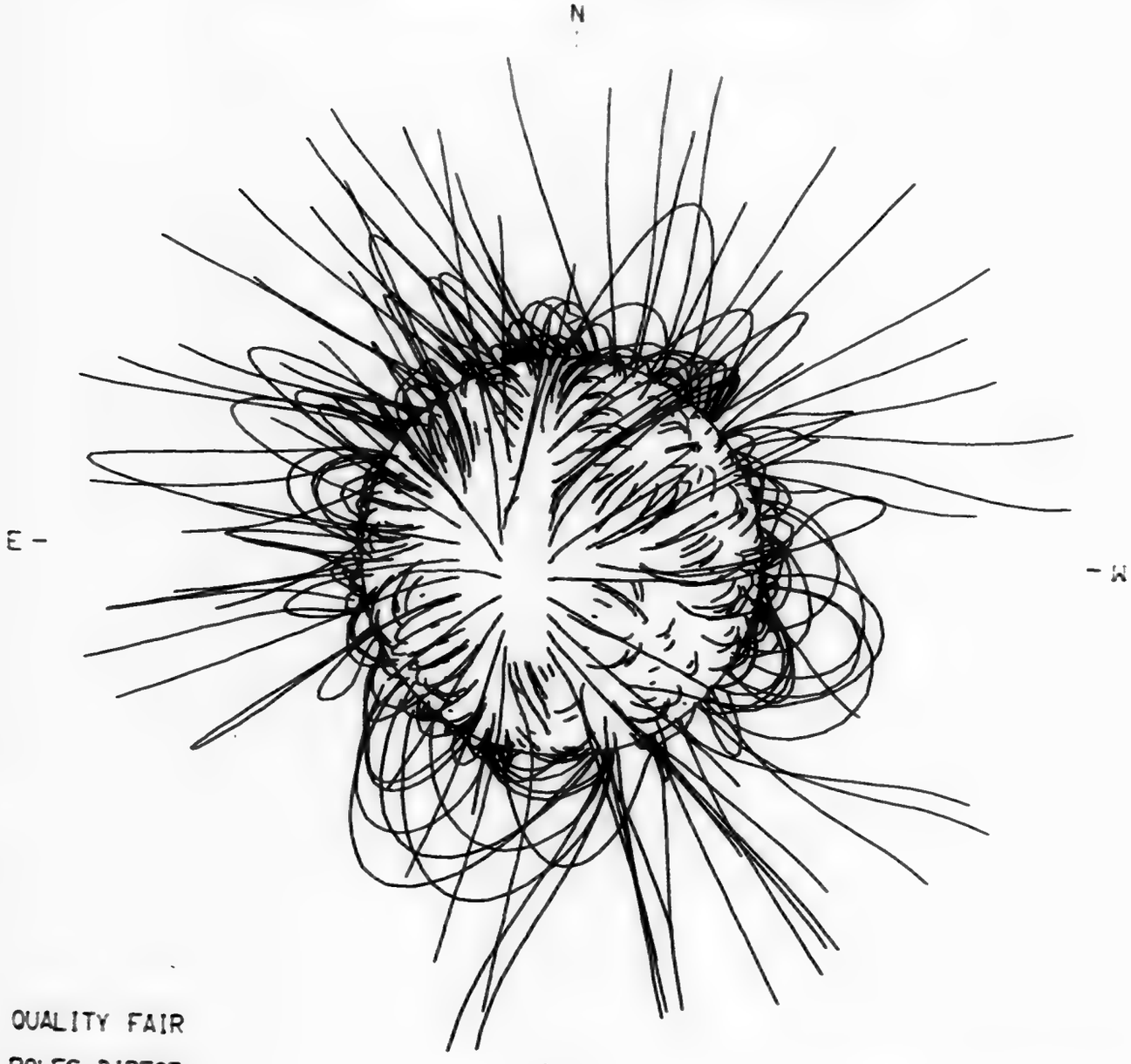
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1437 LONG. 2[illegible]°

21 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

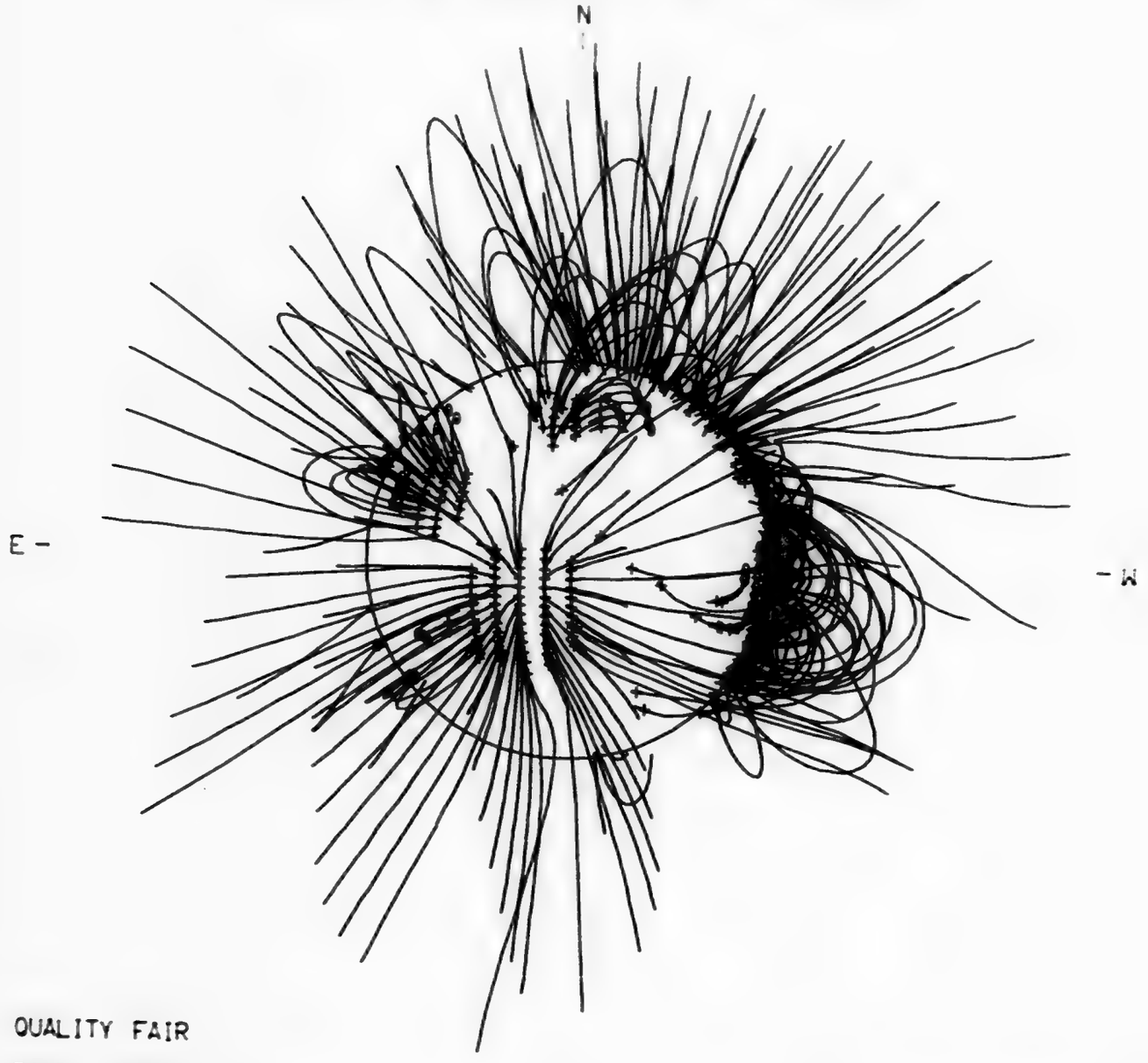
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1437 LONG. 1[illegible]°

28 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

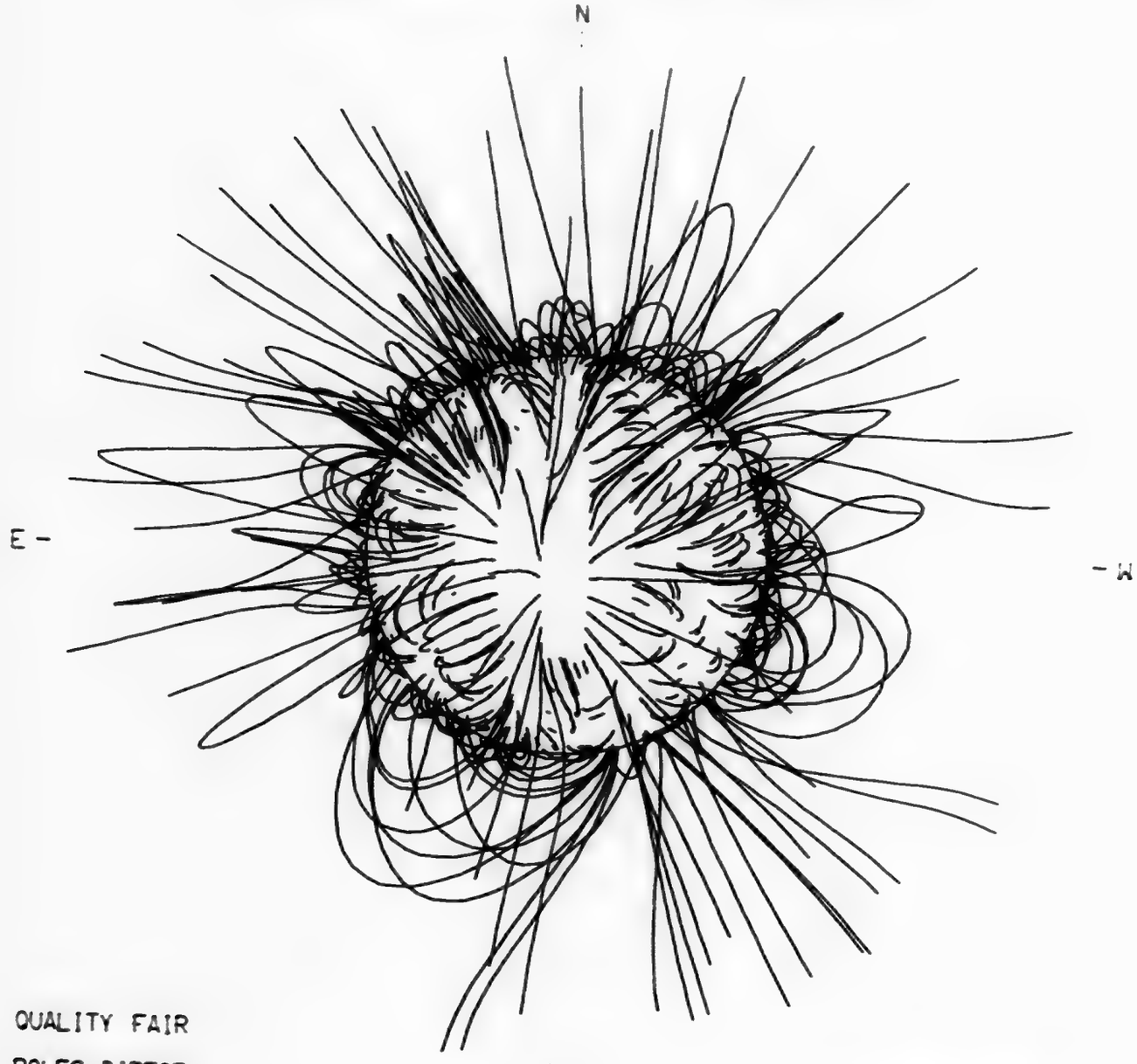
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1437 LONG. 1[illegible]°

28 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

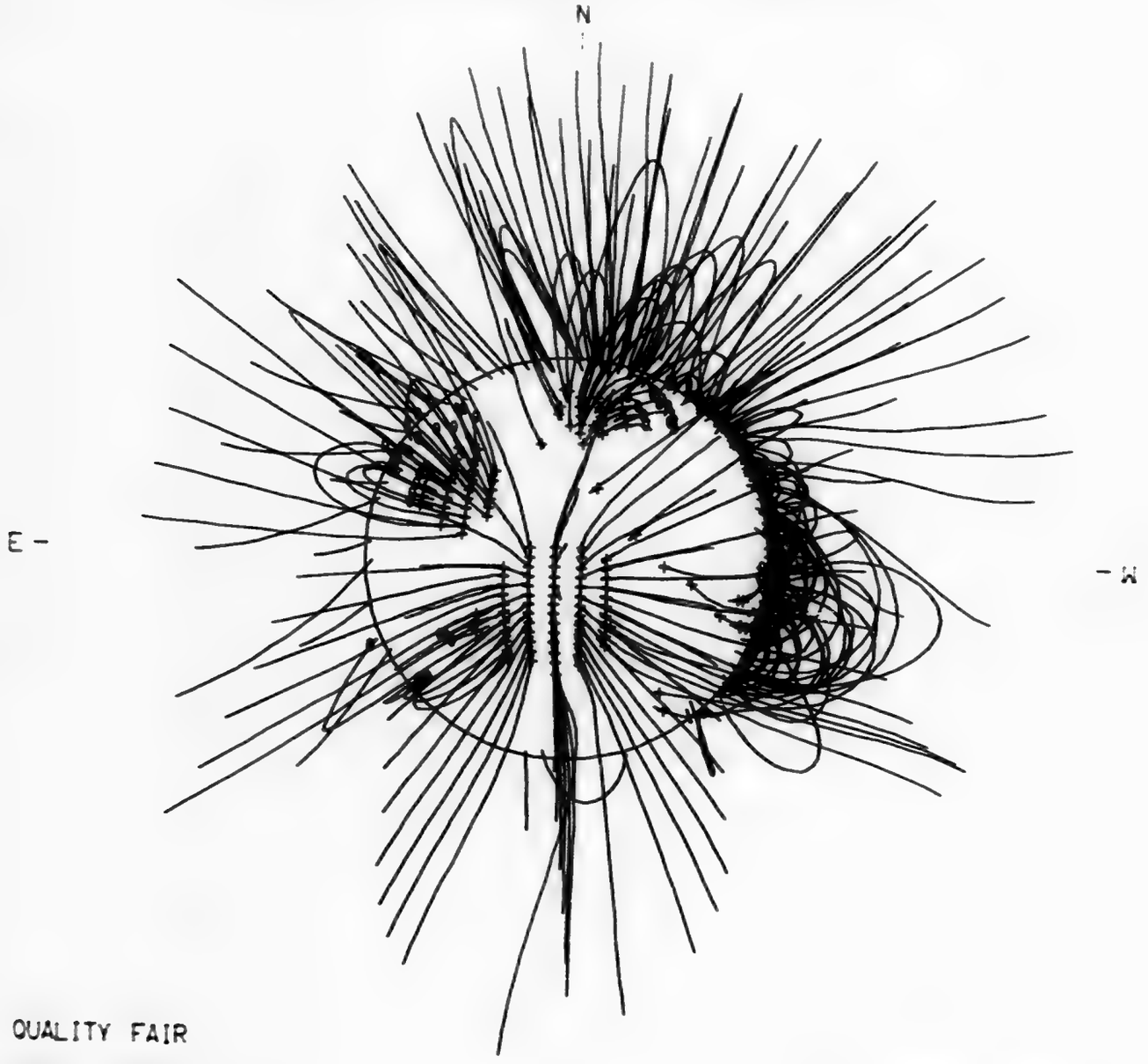
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1437 LONG. 3°

3.6 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

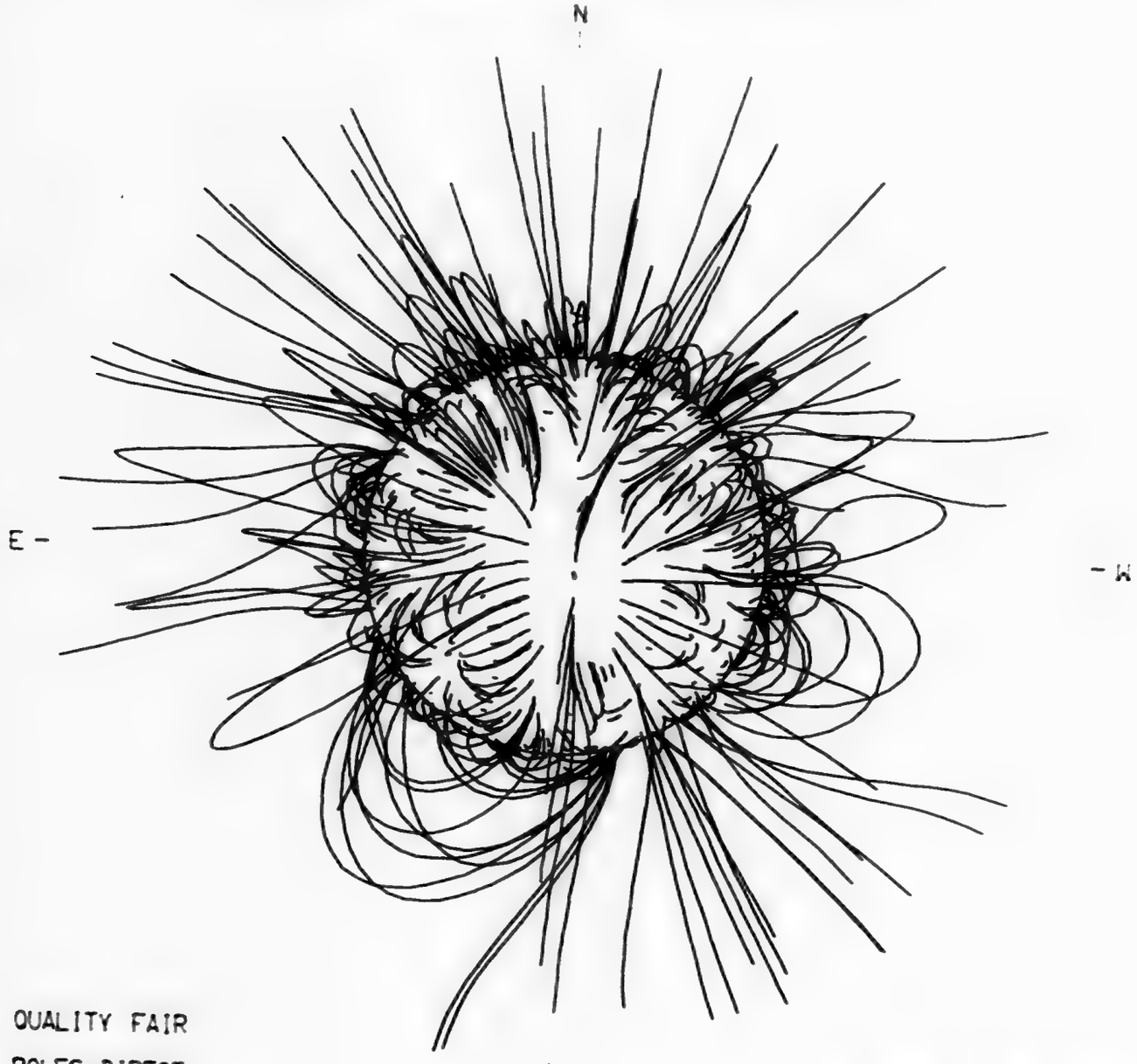
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1437 LONG. 3°

3.6 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

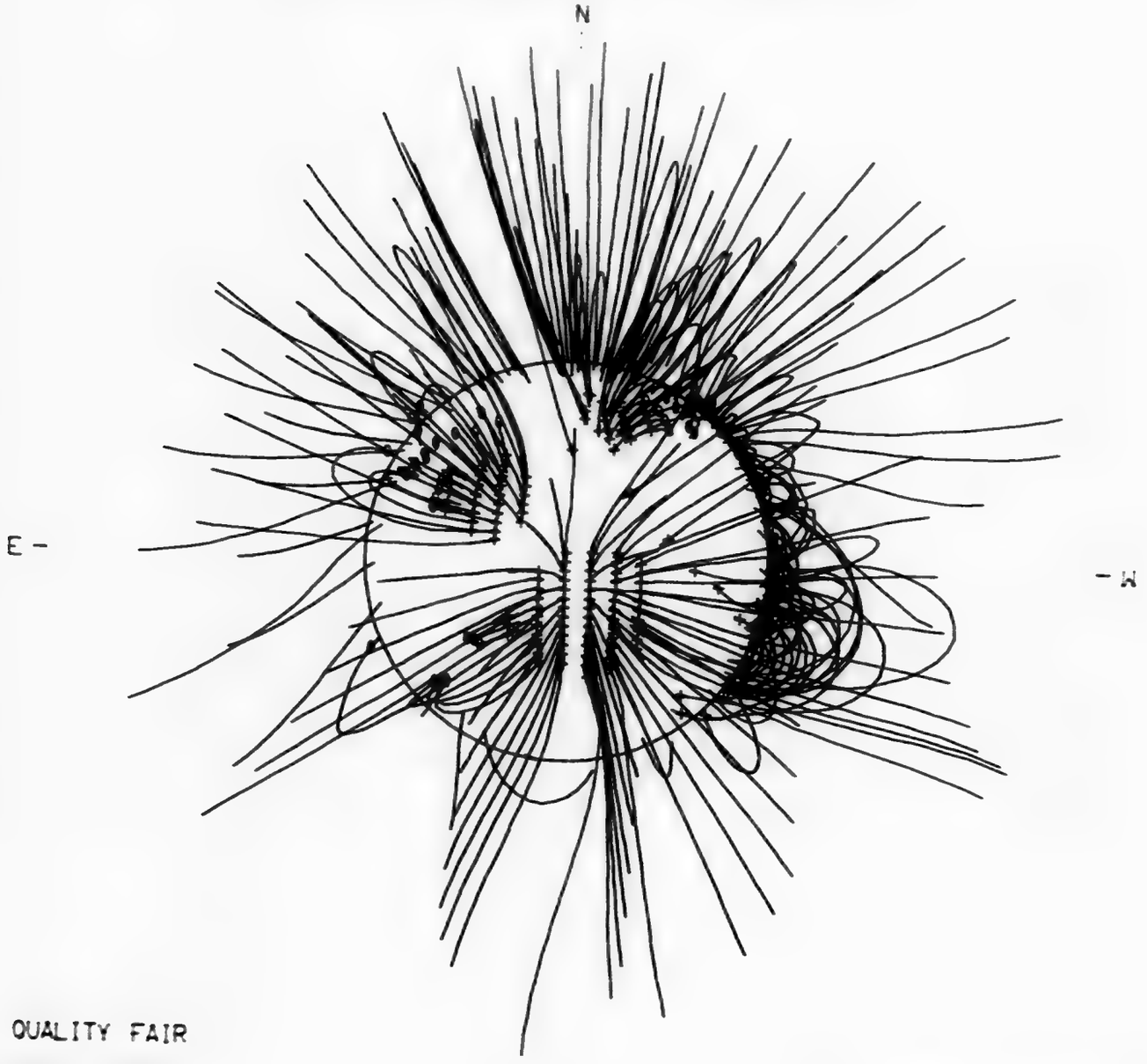
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1438 LONG. 350°

4.3 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

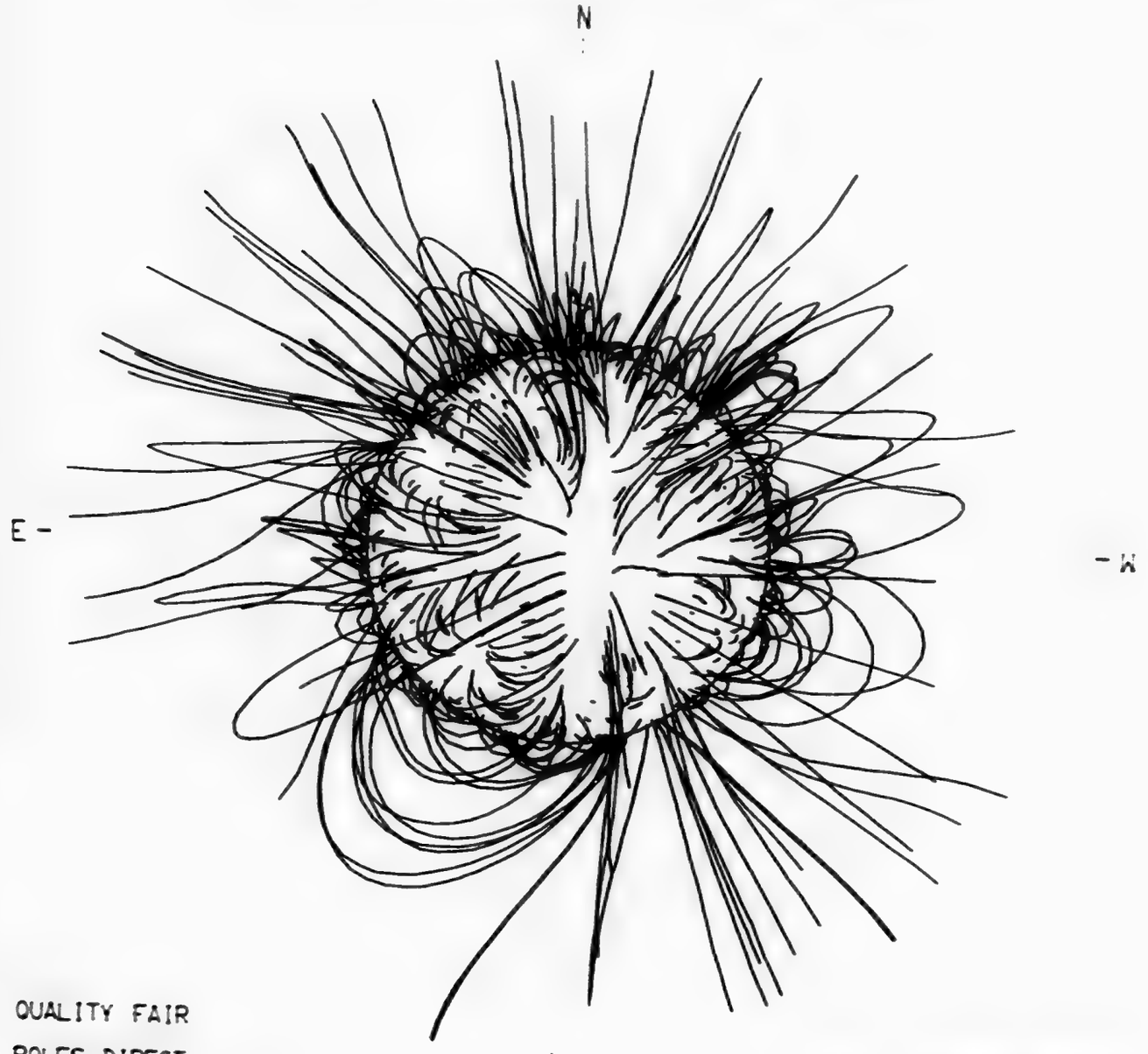
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1438 LONG. 35[illegible]°

4.3 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

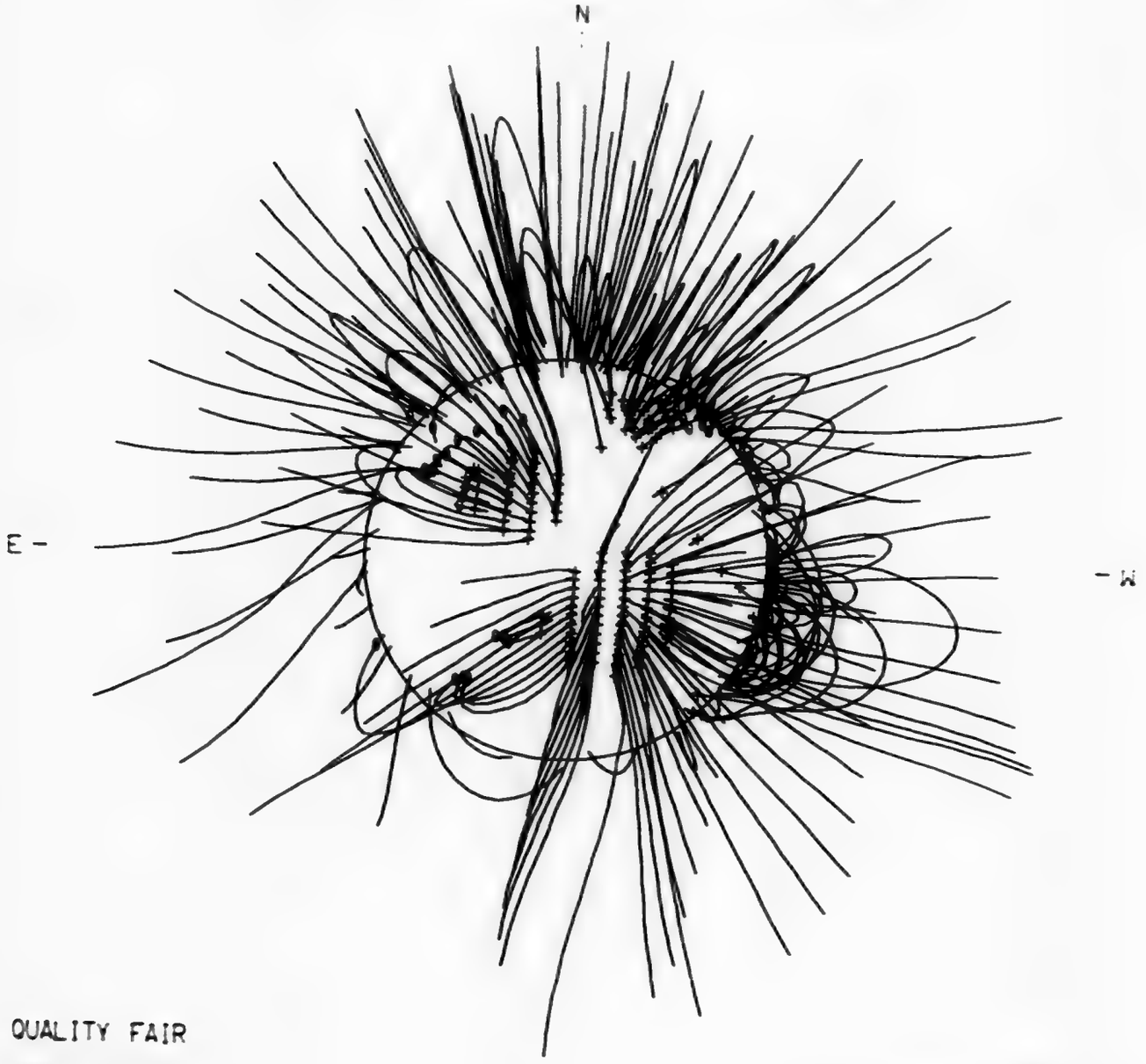
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1438 LONG. 3[illegible]°

5.1 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

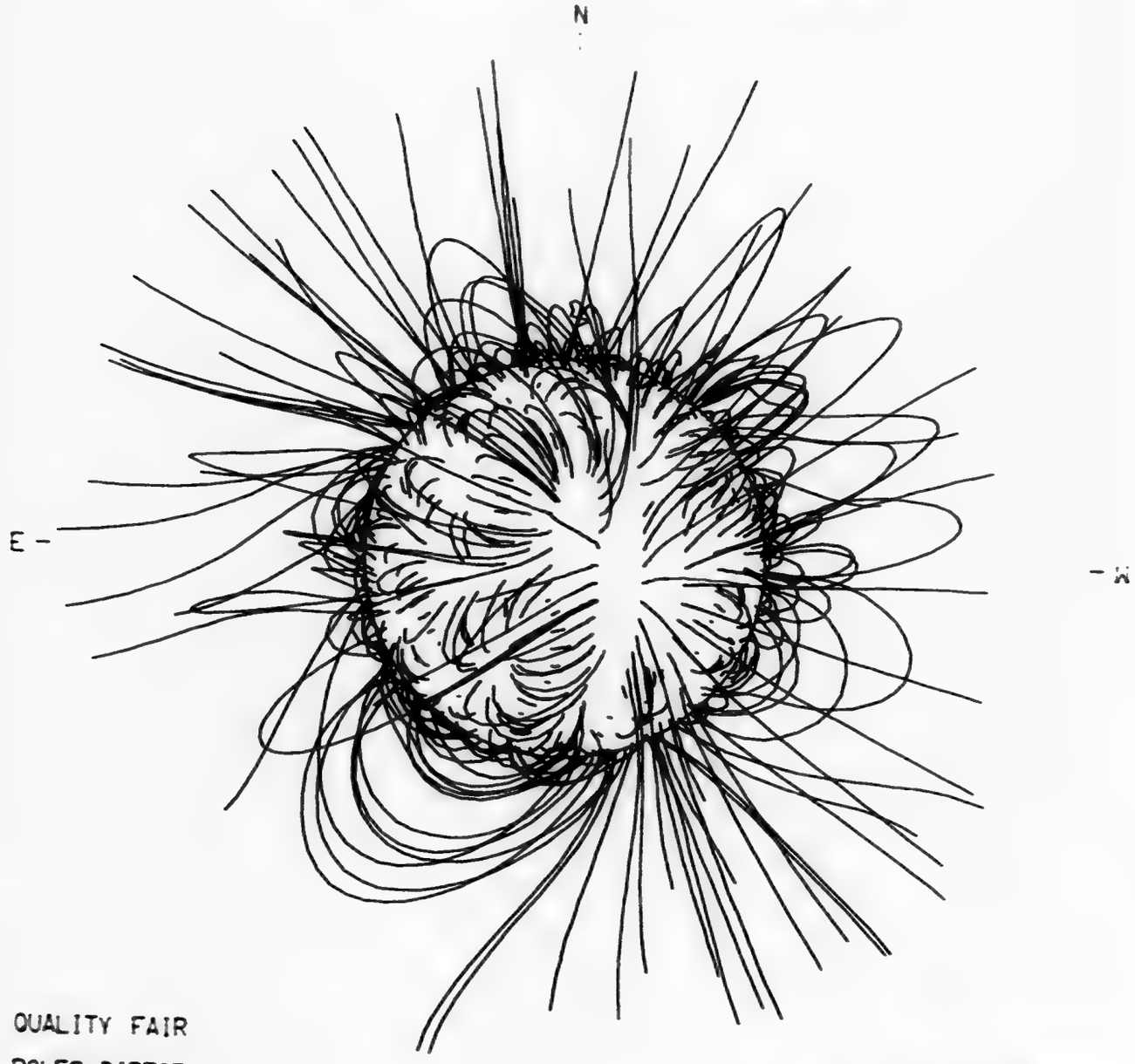
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1438 LONG. 3[illegible]°

5.1 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

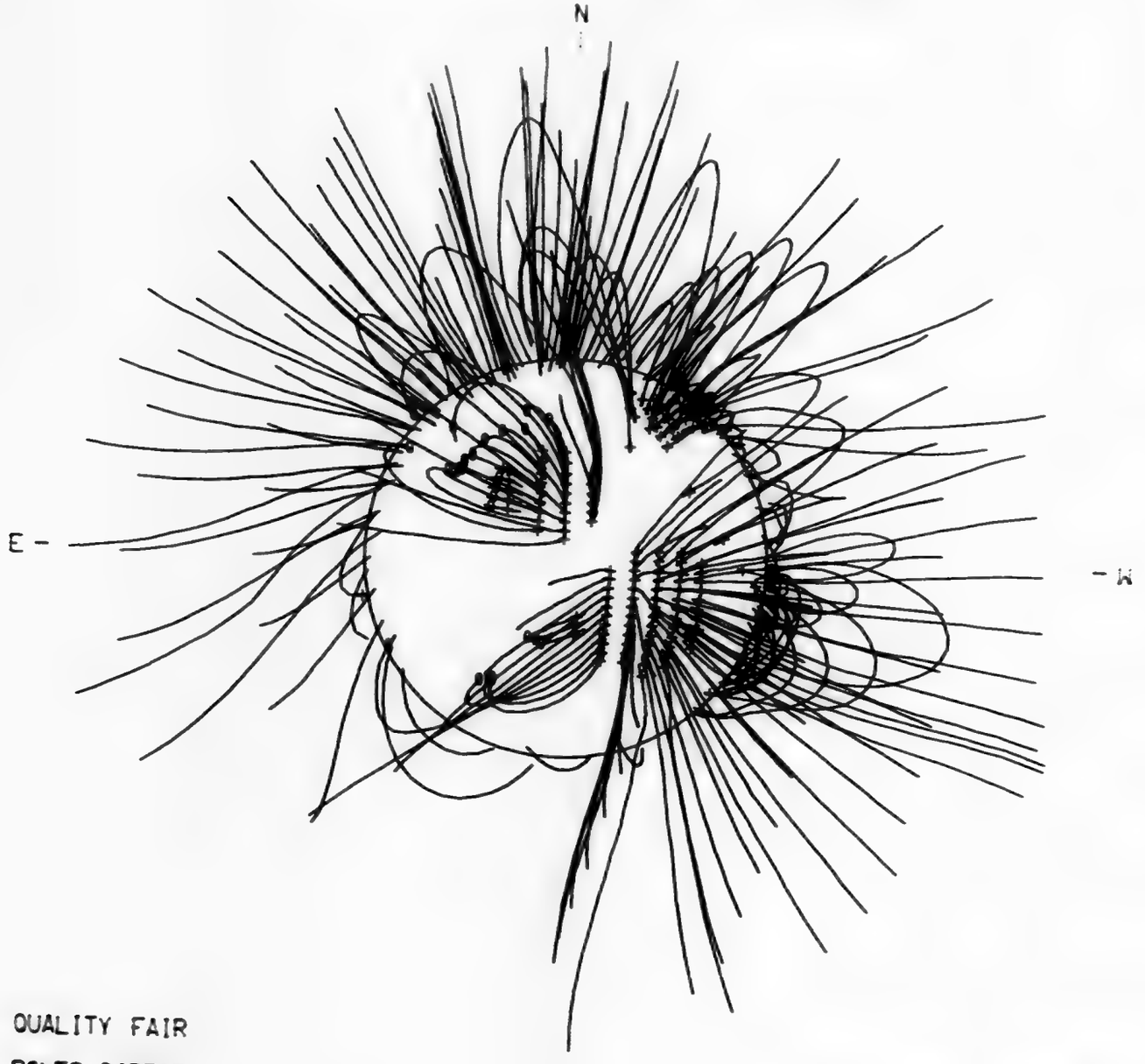
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1438 LONG. 353°

5.9 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

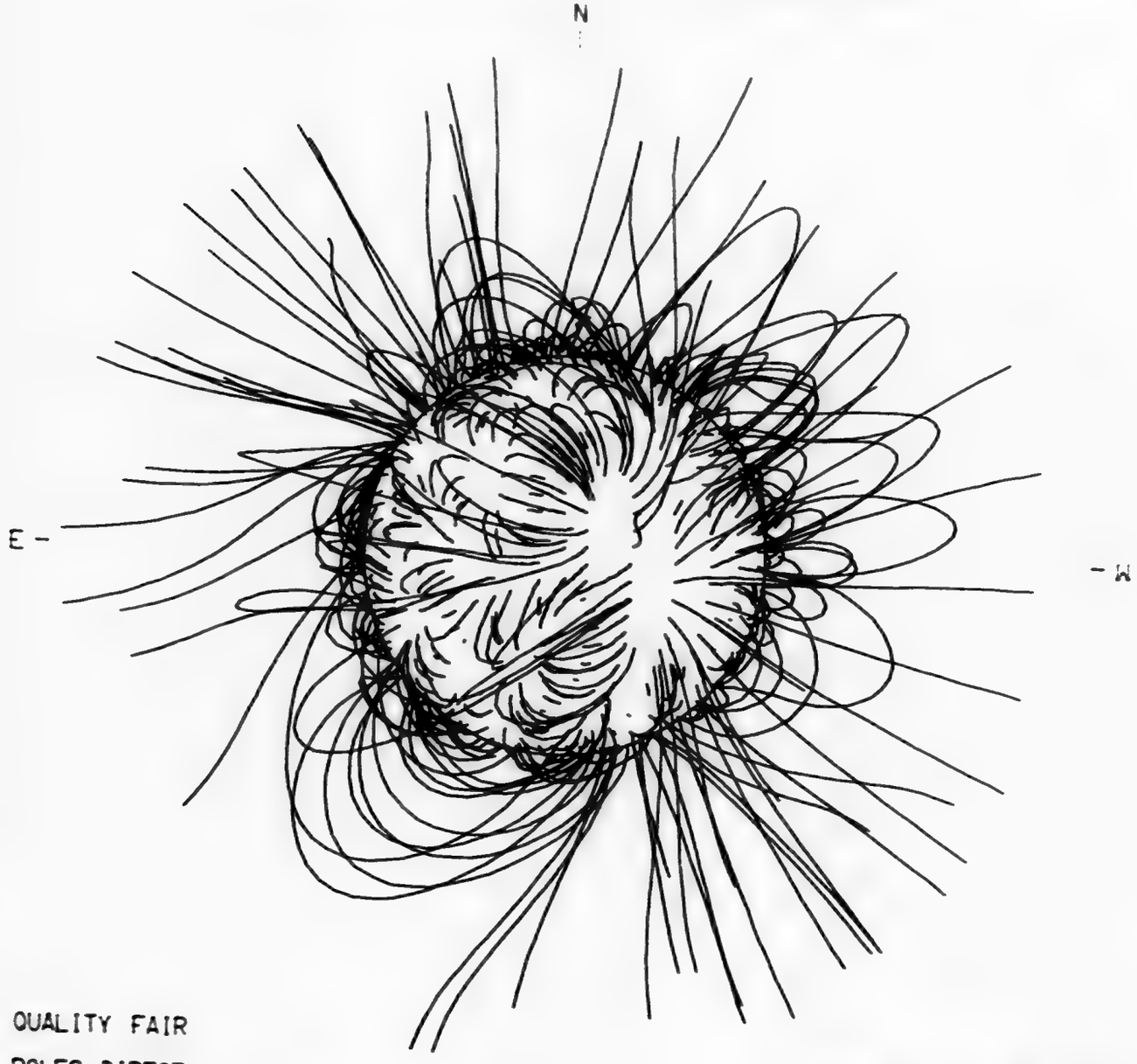
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1438 LONG. 352°

5.9 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

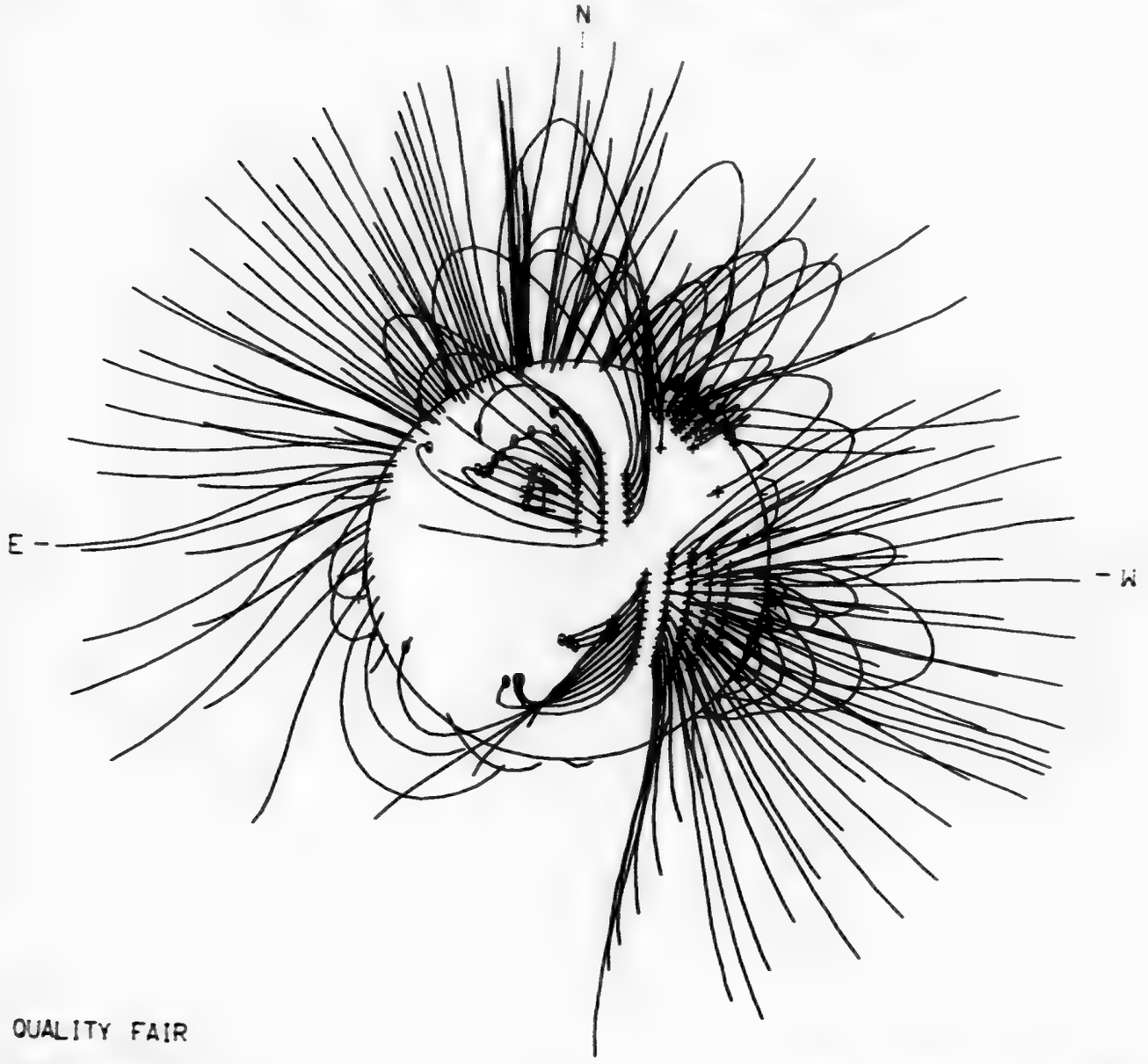
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1438 LONG. 320°

6.6 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

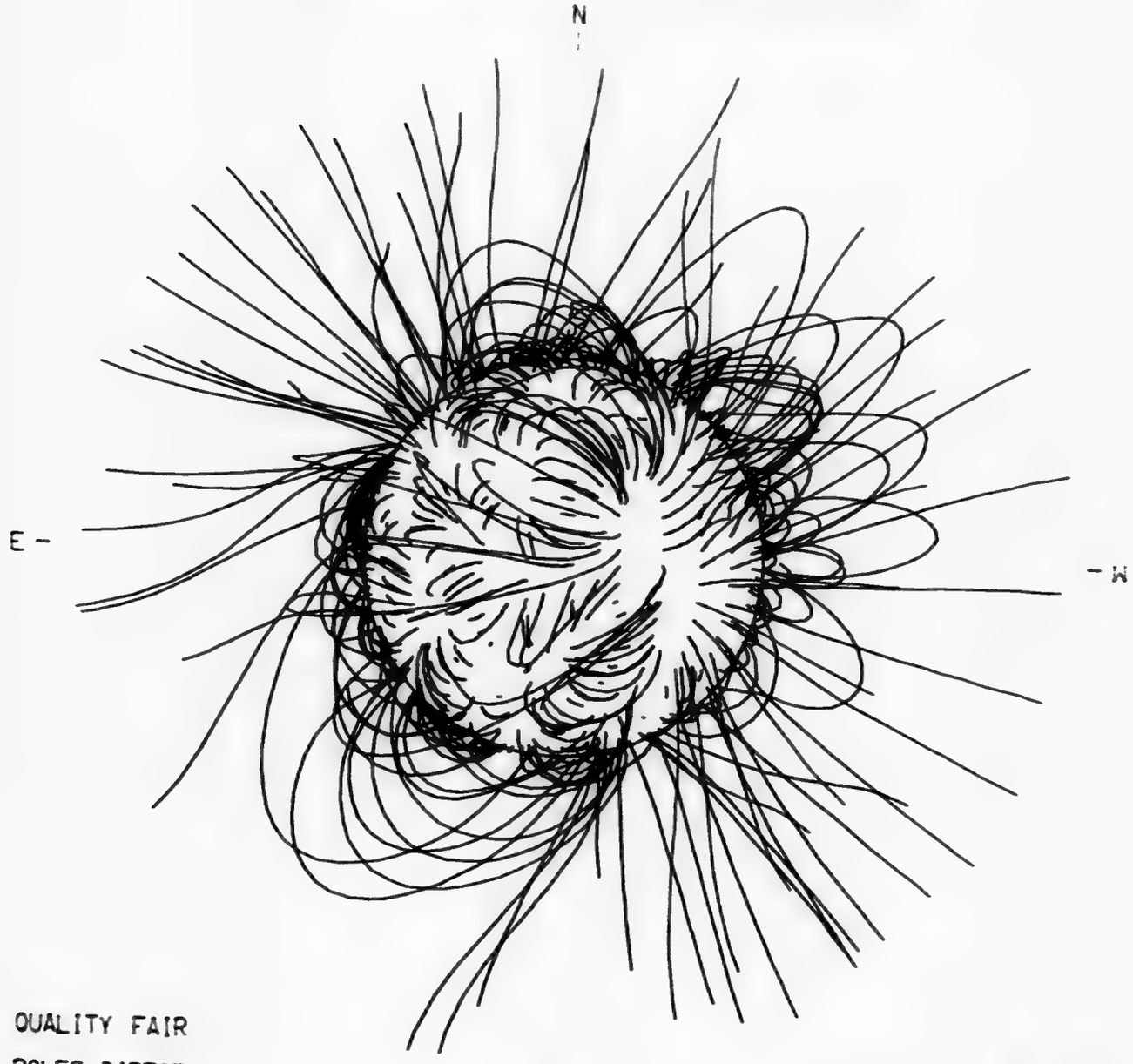
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1438 LONG. 32[illegible]°

6.6 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

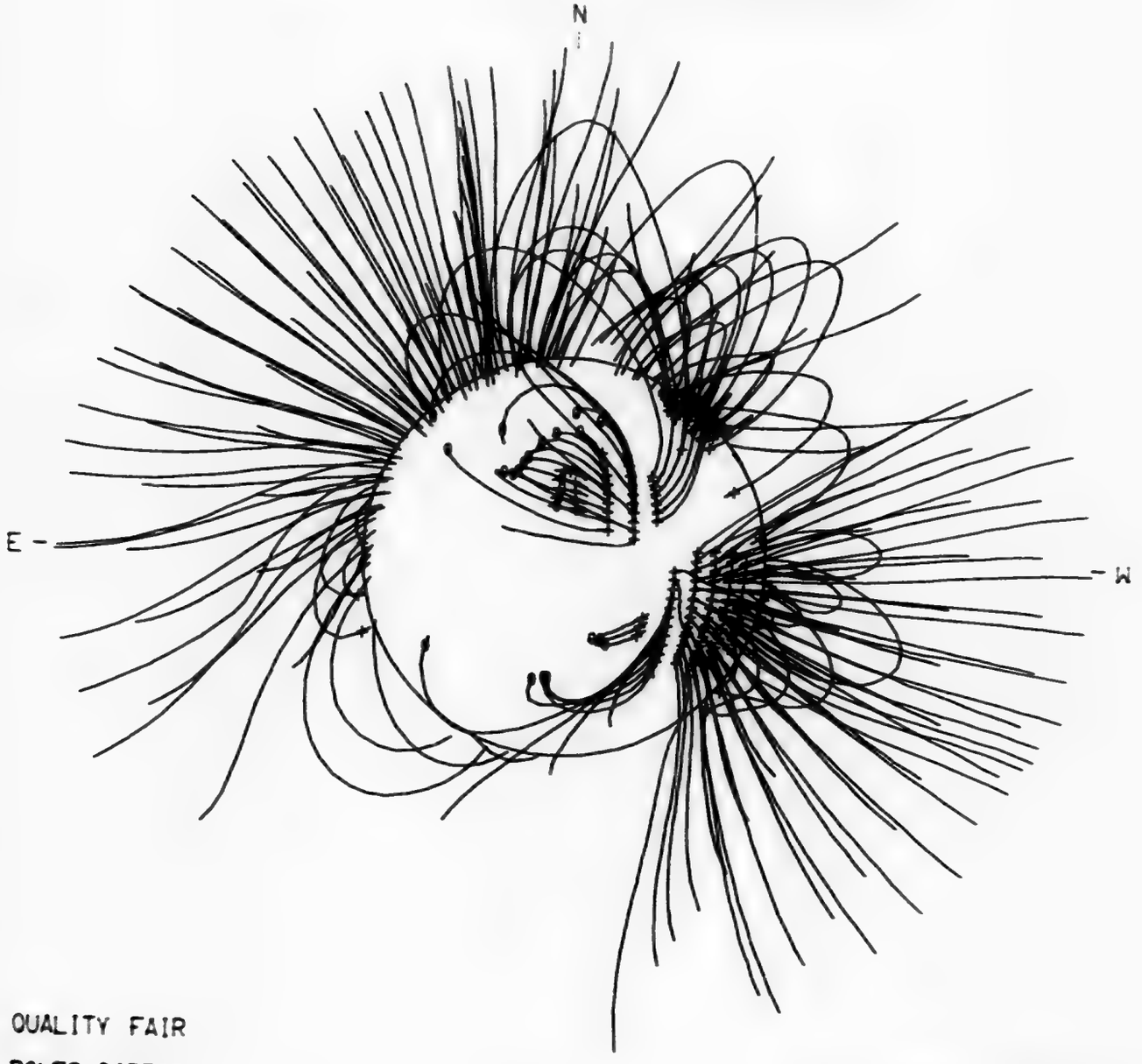
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1438 LONG. 31[illegible]°

7.4 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

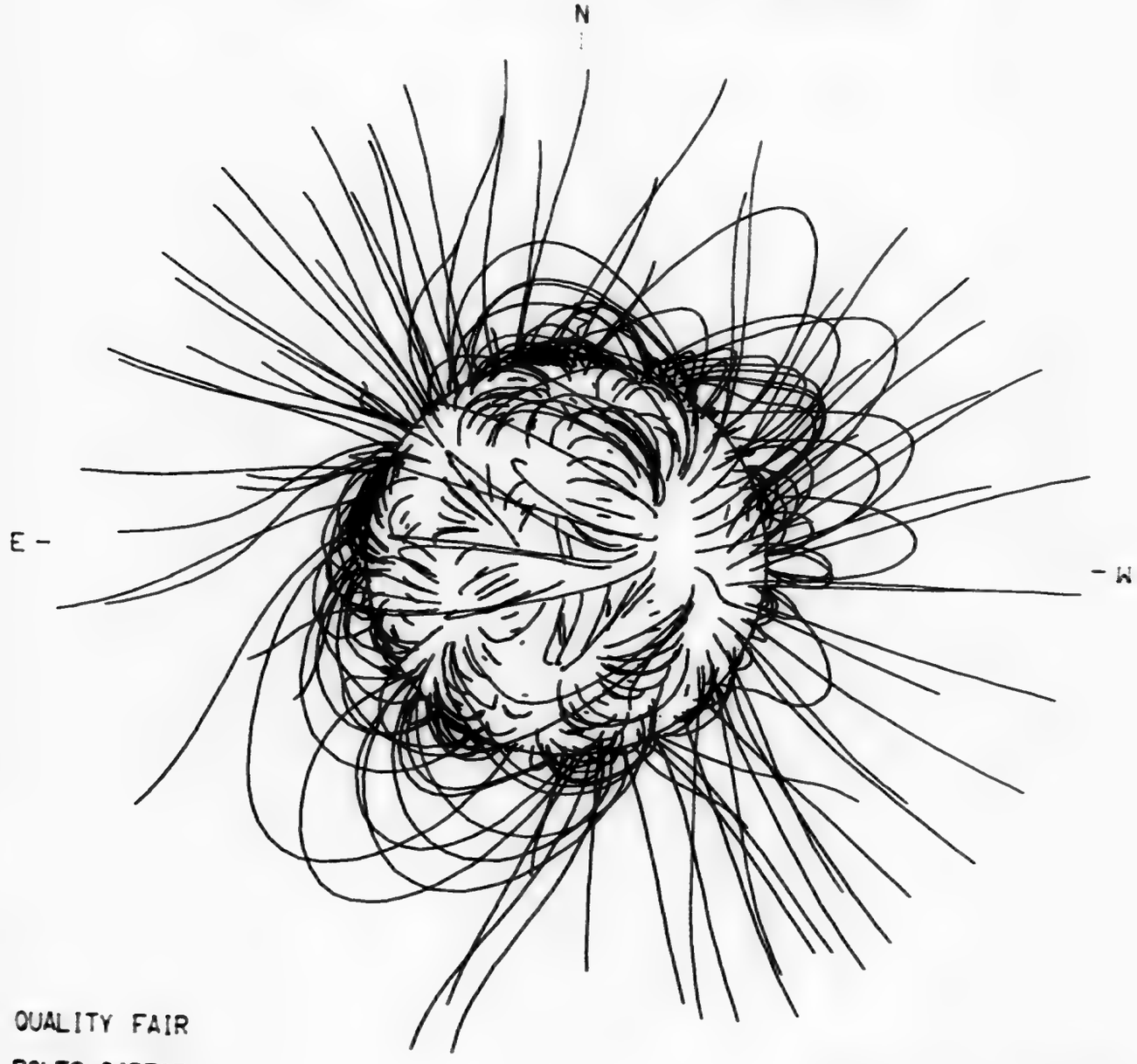
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1438 LONG. 31?°

7.4 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

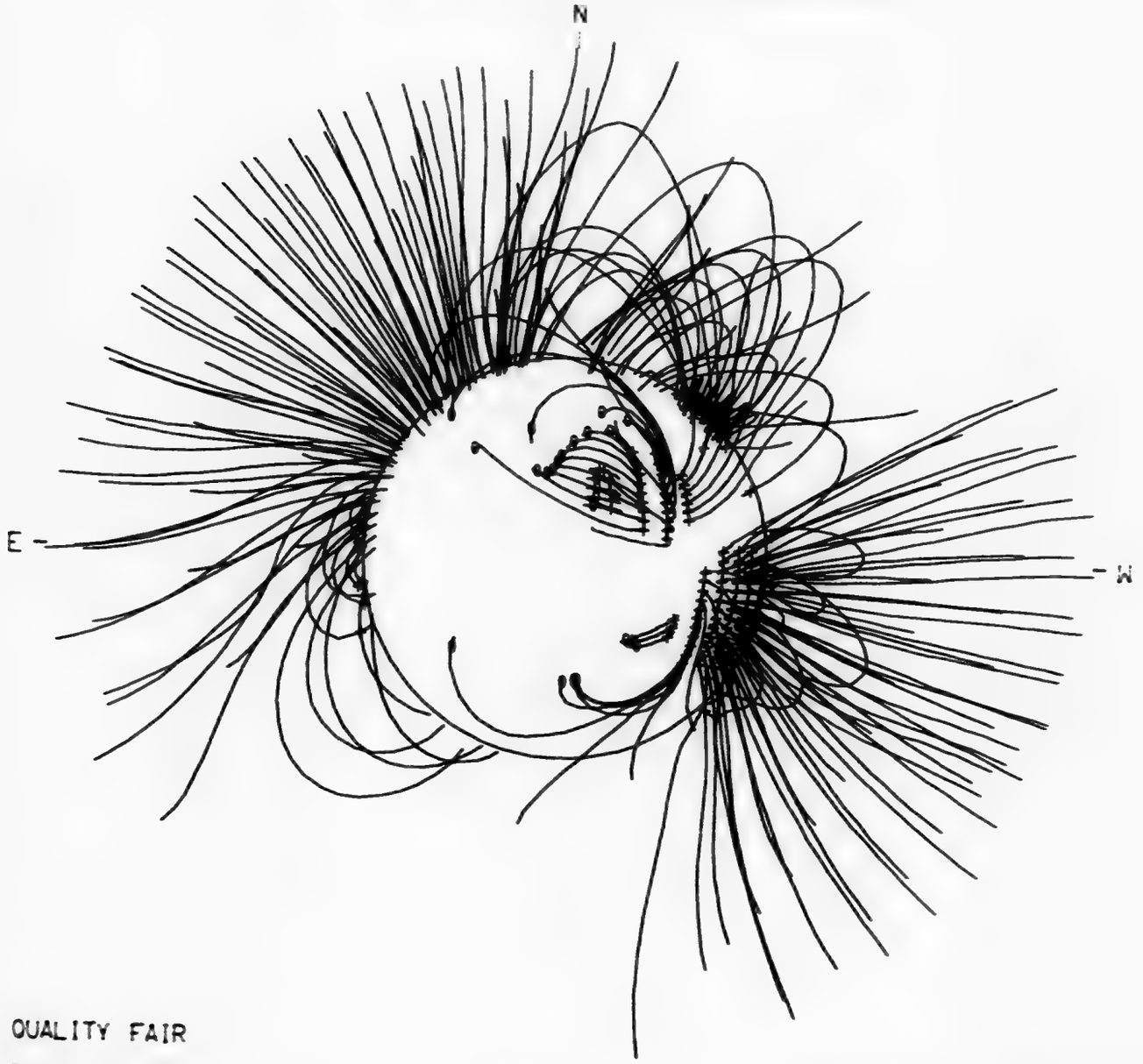
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1438 LONG. 300°

8.1 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

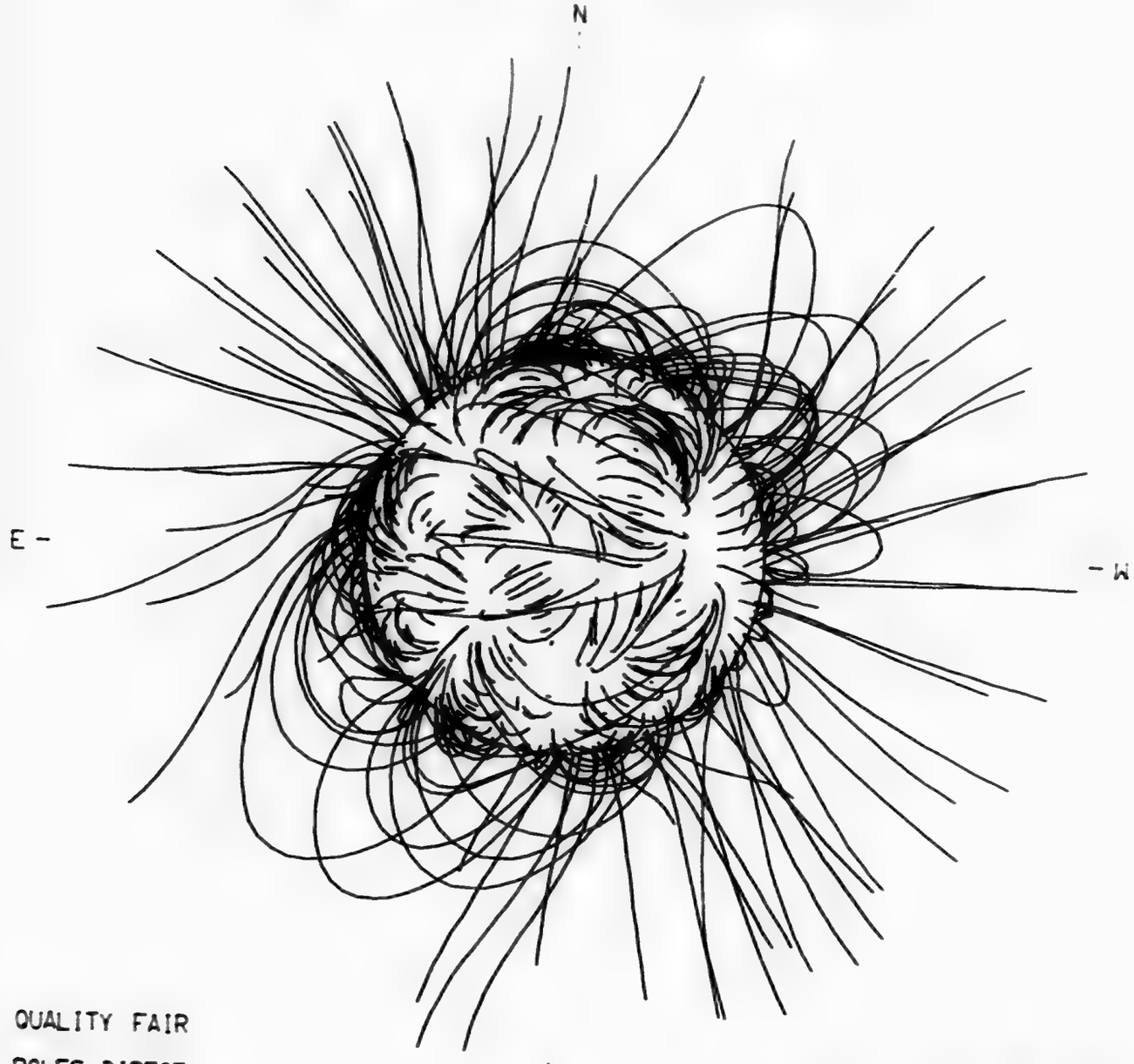
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1438 LONG. 3[illegible]°

8.1 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

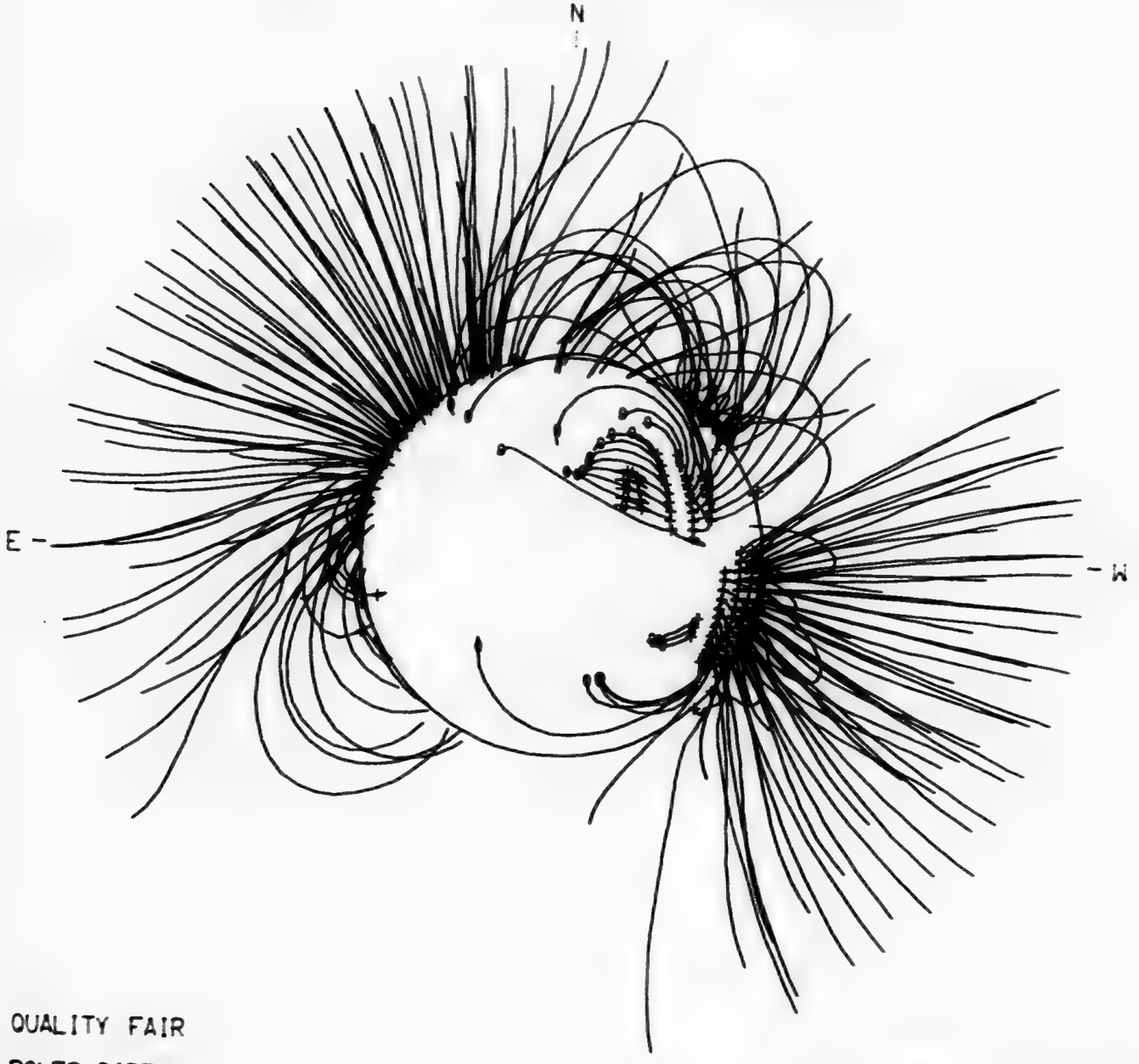
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1438 LONG. 29[illegible]°

8.9 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

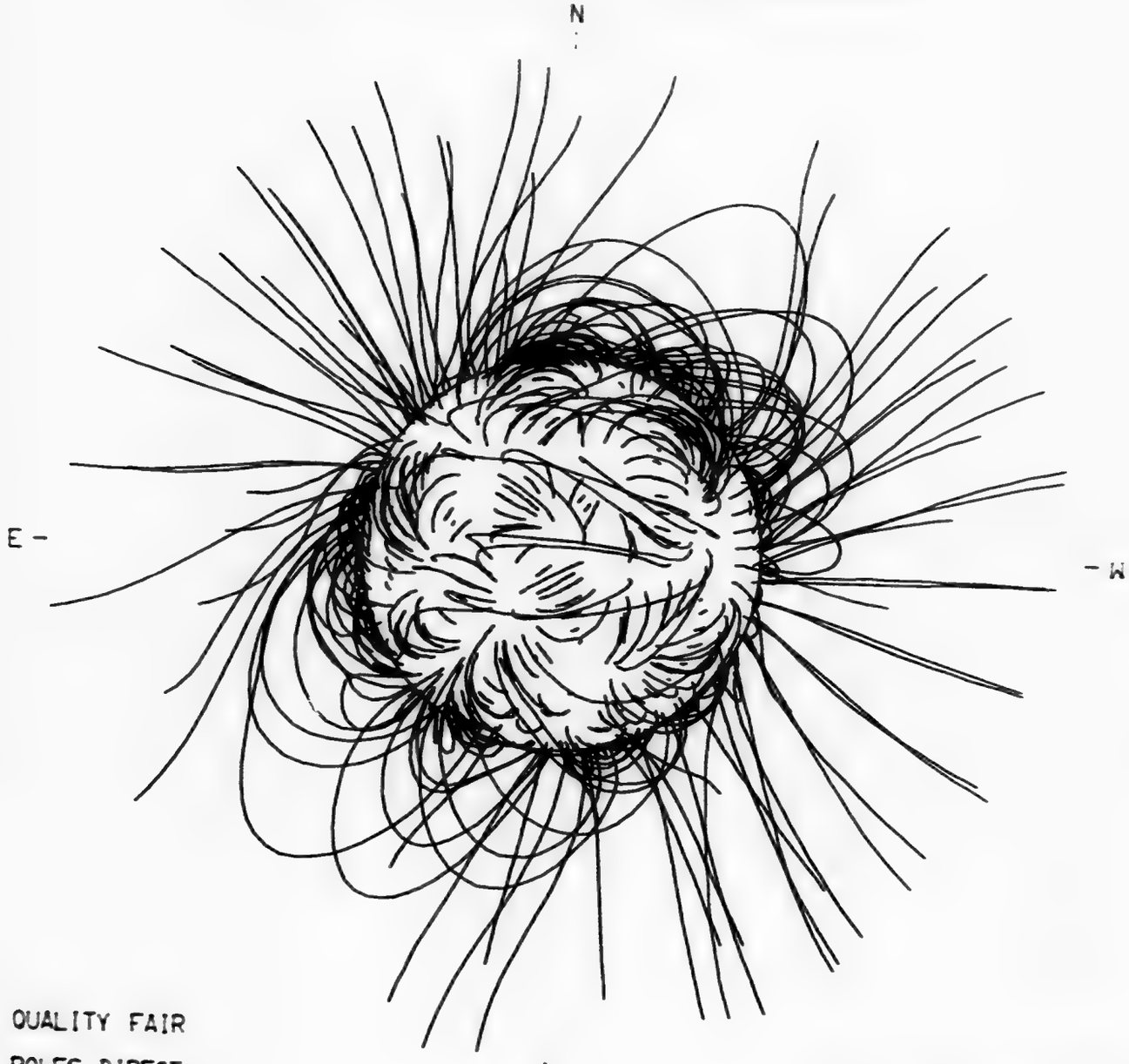
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1438 LONG. 290°

8.9 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

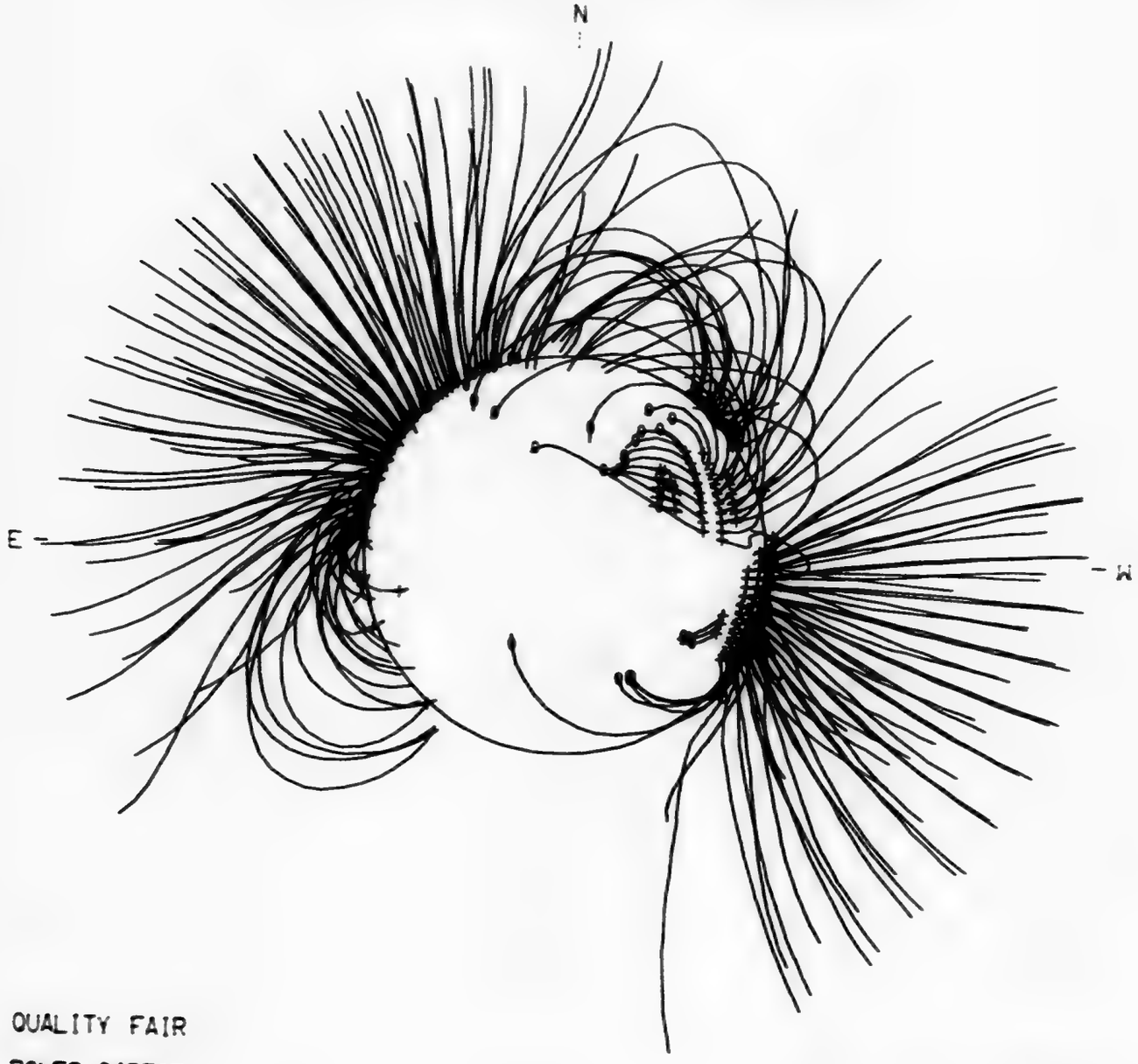
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1438 LONG. 280°

9.6 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

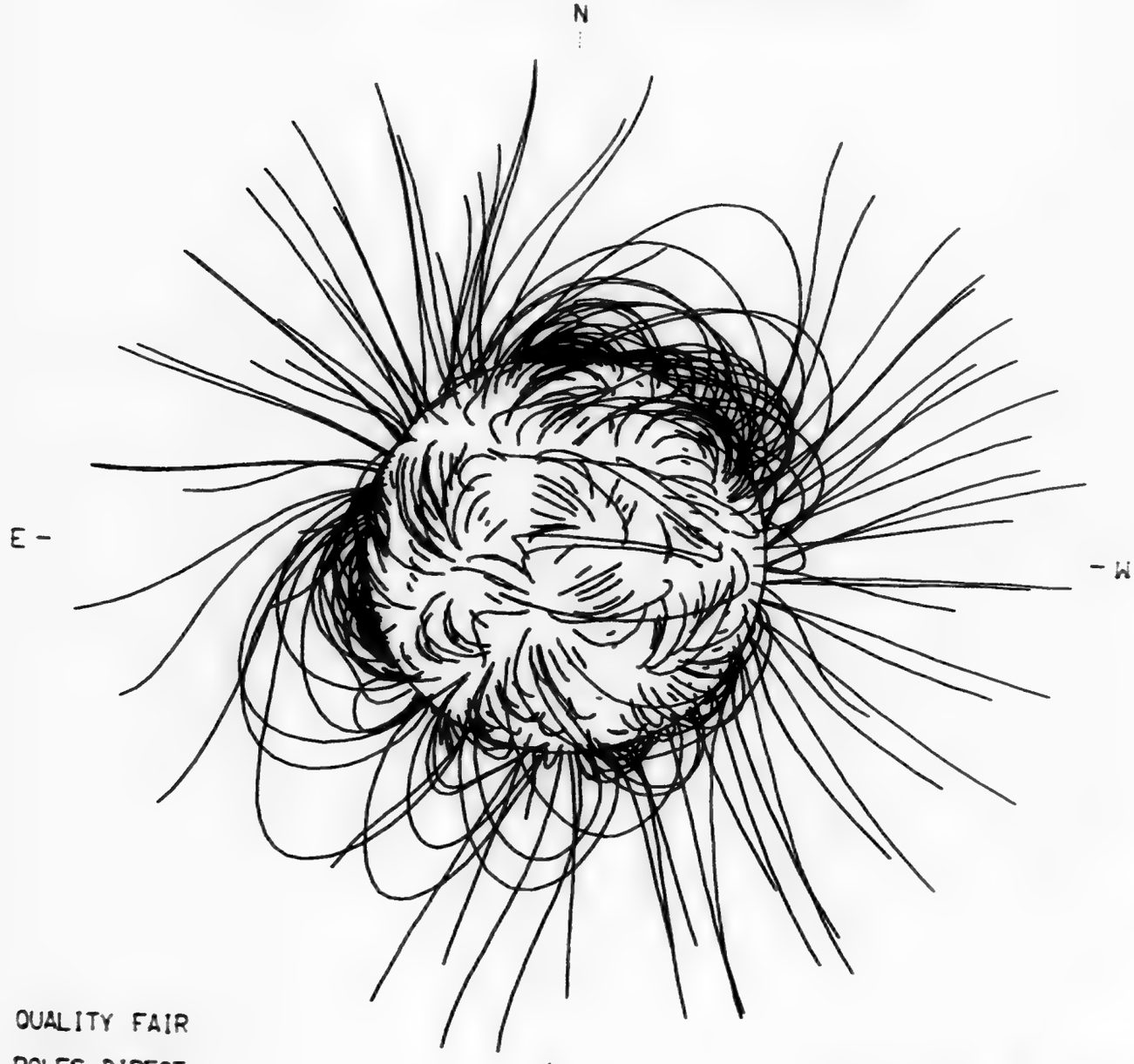
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1438 LONG. 280°

9.6 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

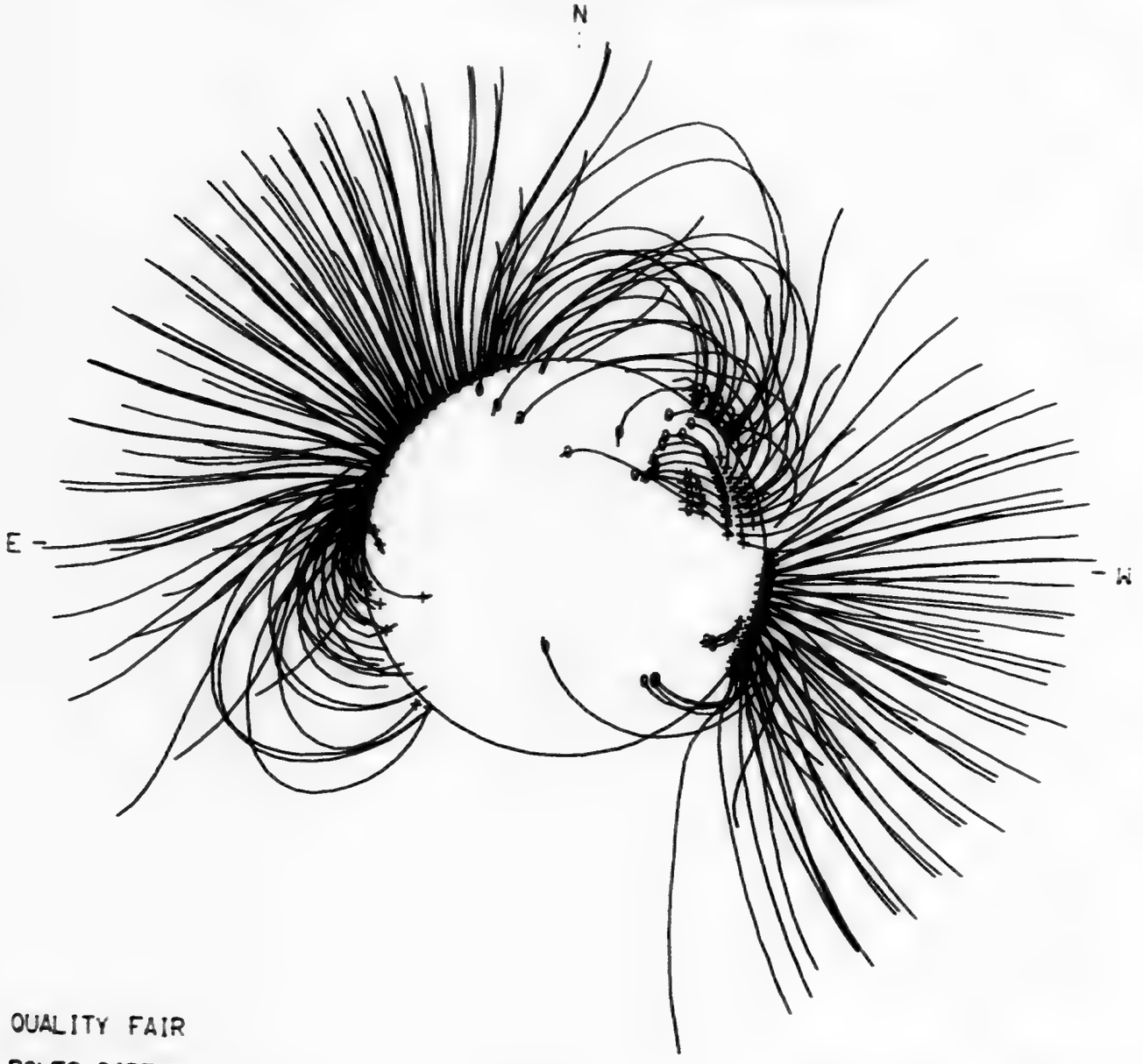
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1438 LONG. 270°

10.4 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

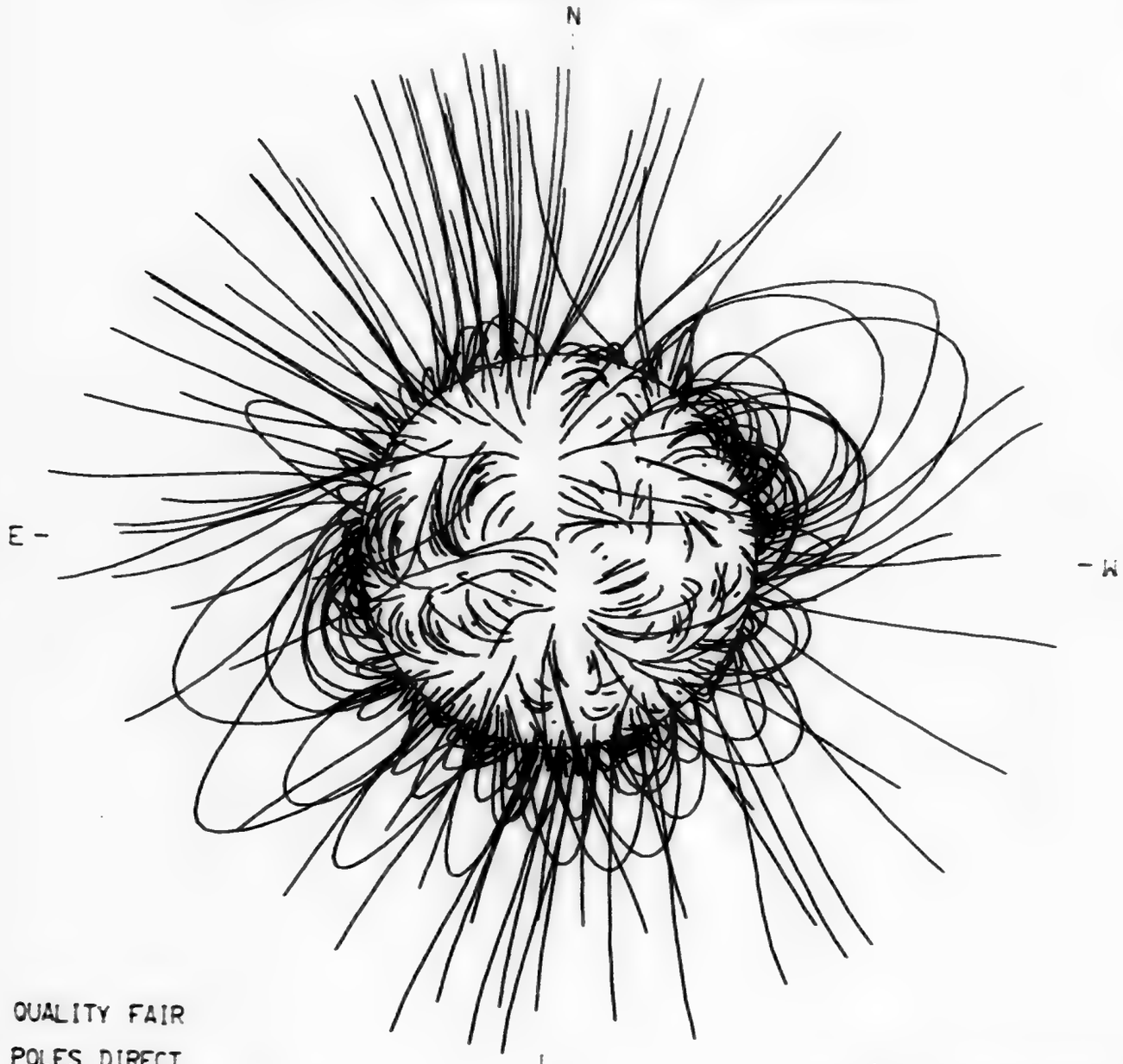
POLES DIRECT

DATA WINDOW 1437.47

ROT. 1438 LONG. 270°

10.4 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

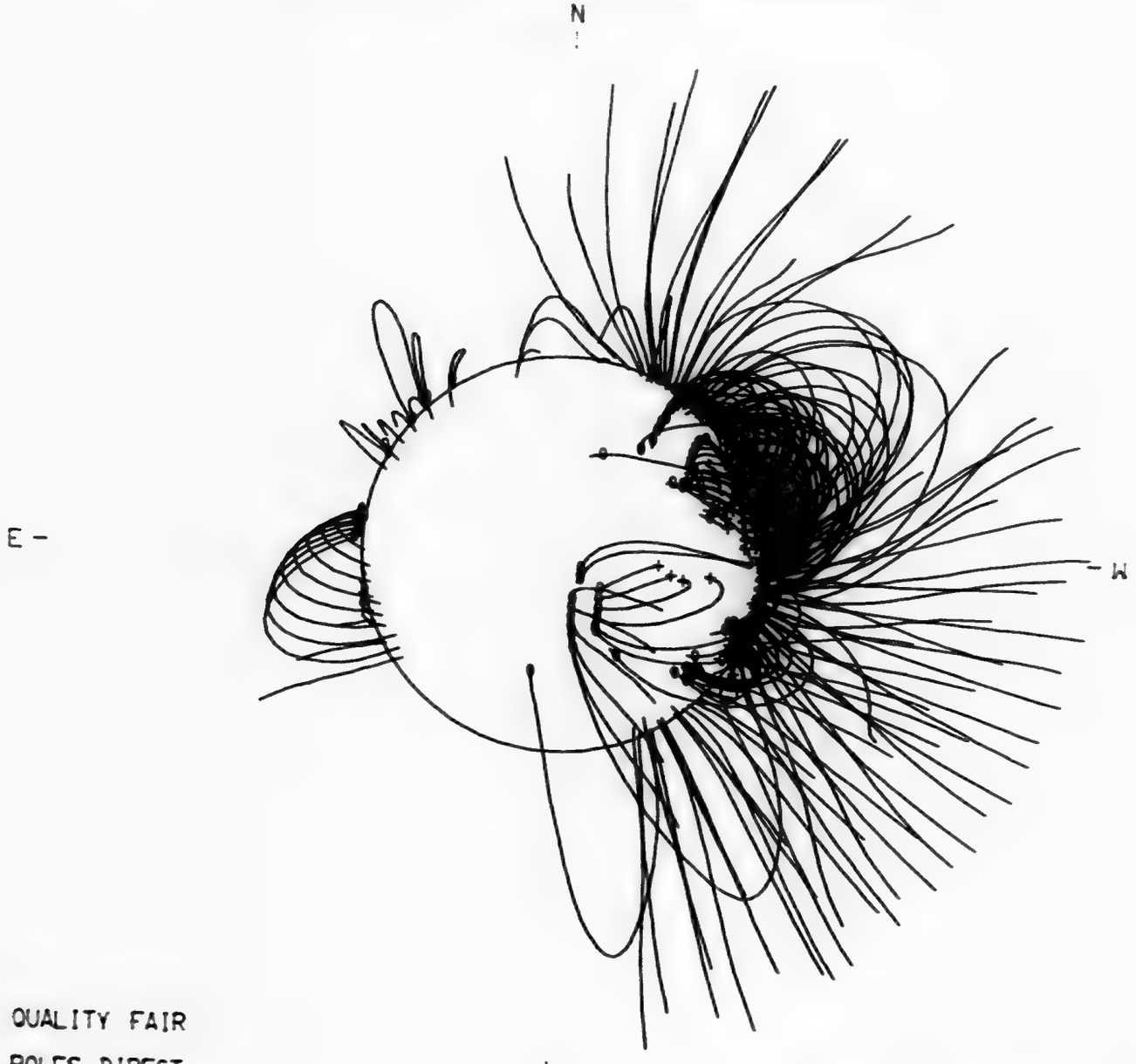
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 260°

11.2 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

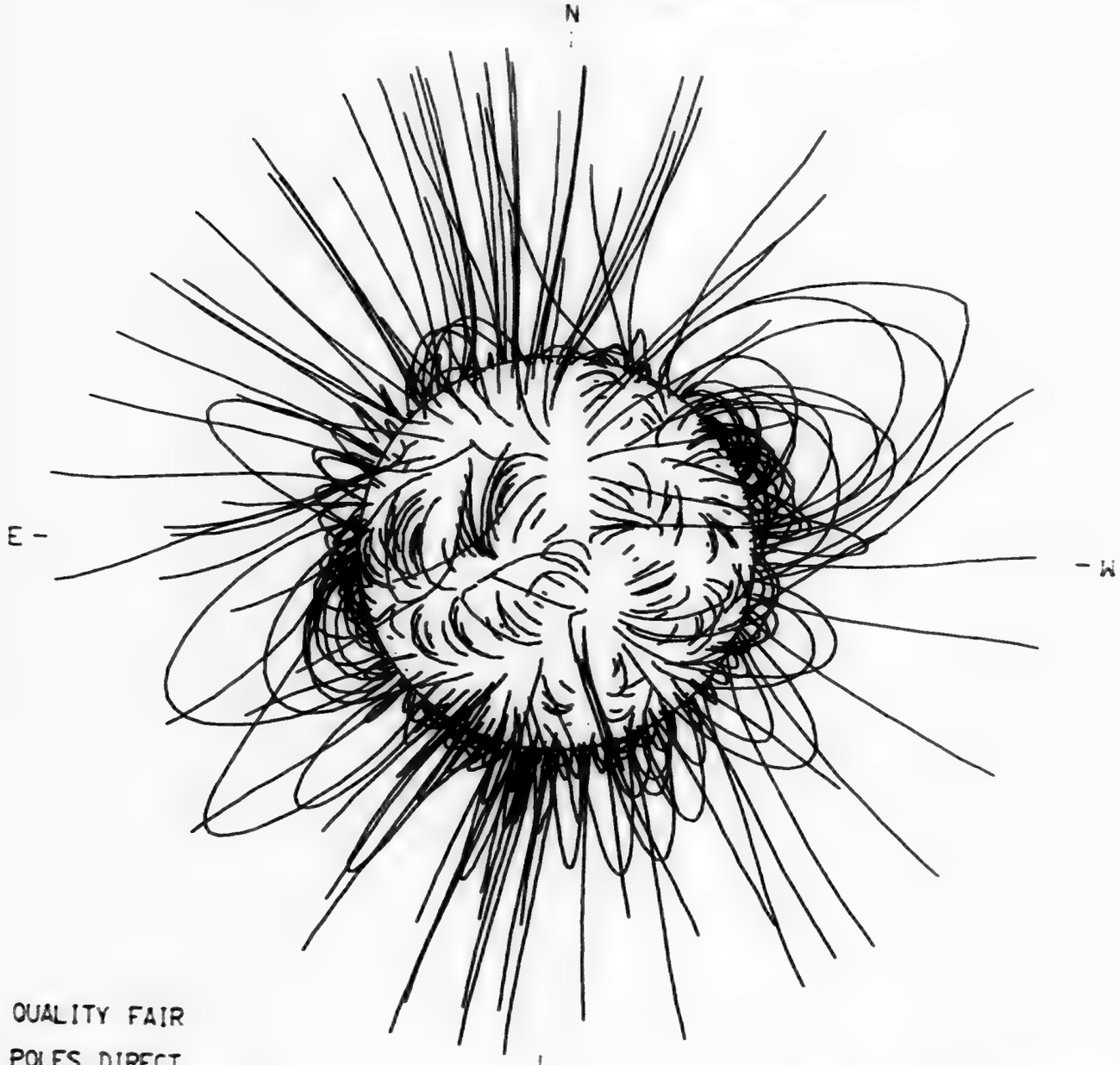
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 26[illegible]°

11.2 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

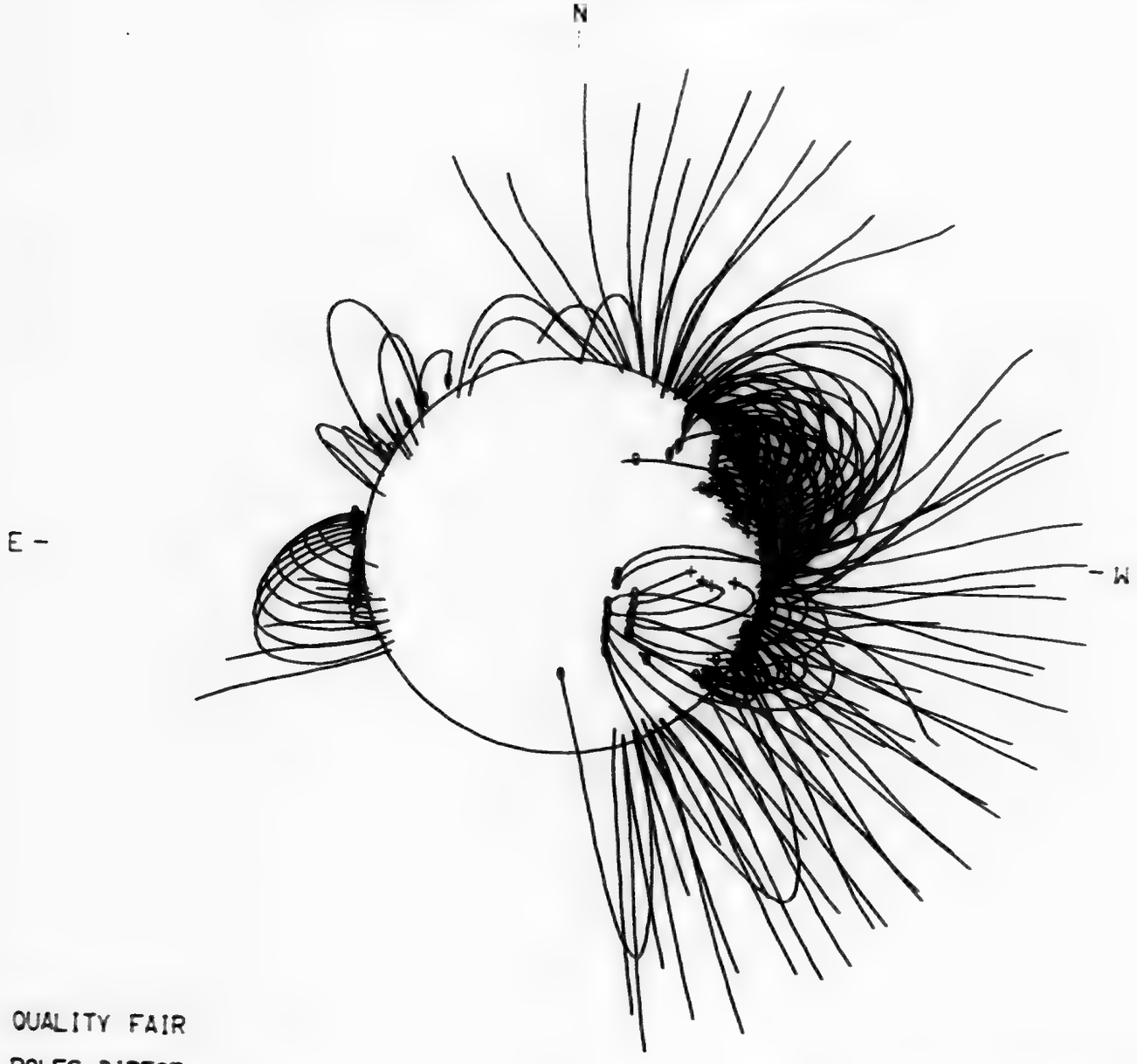
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 252°

11.9 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

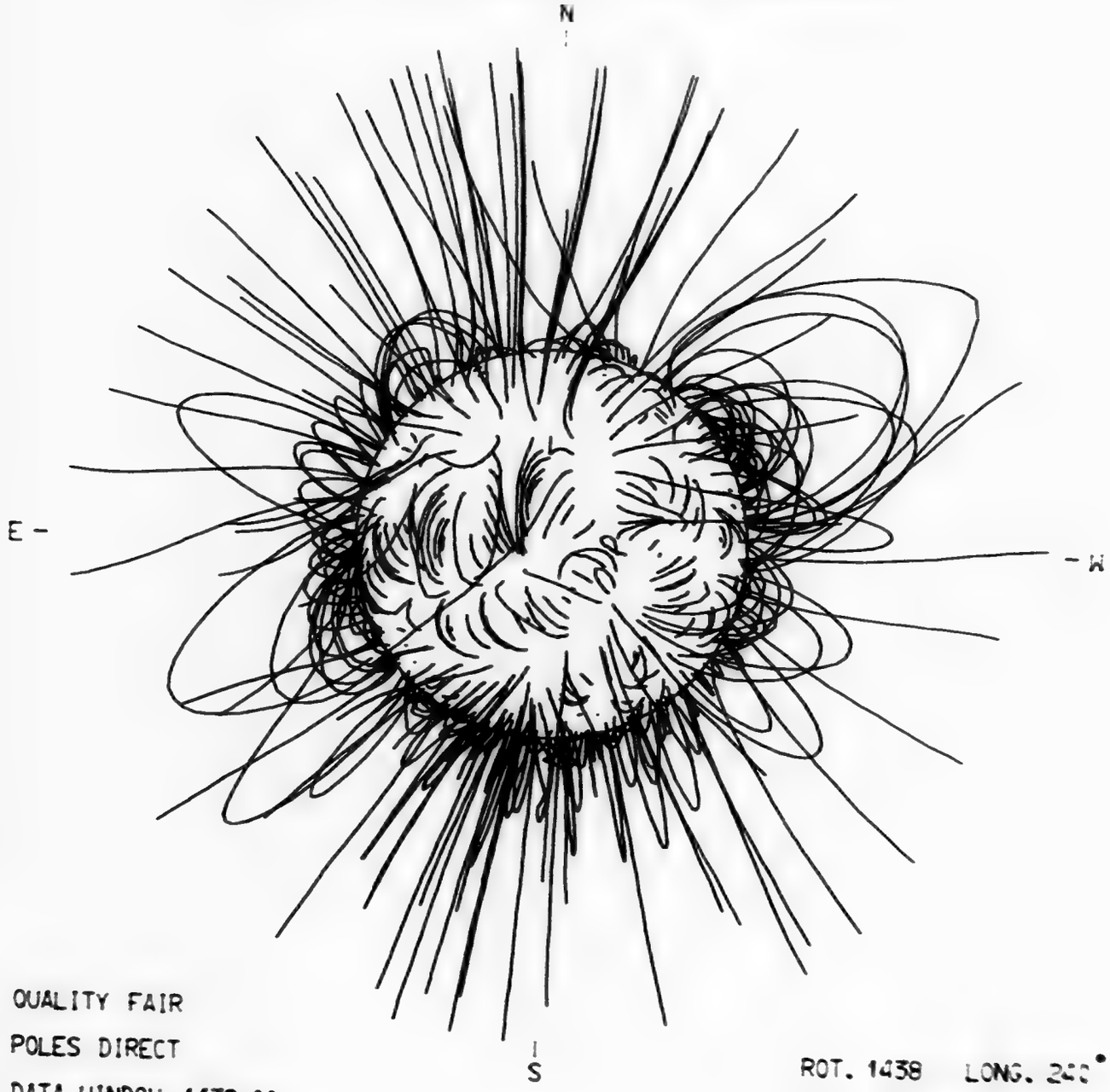
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 250°

11.9 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

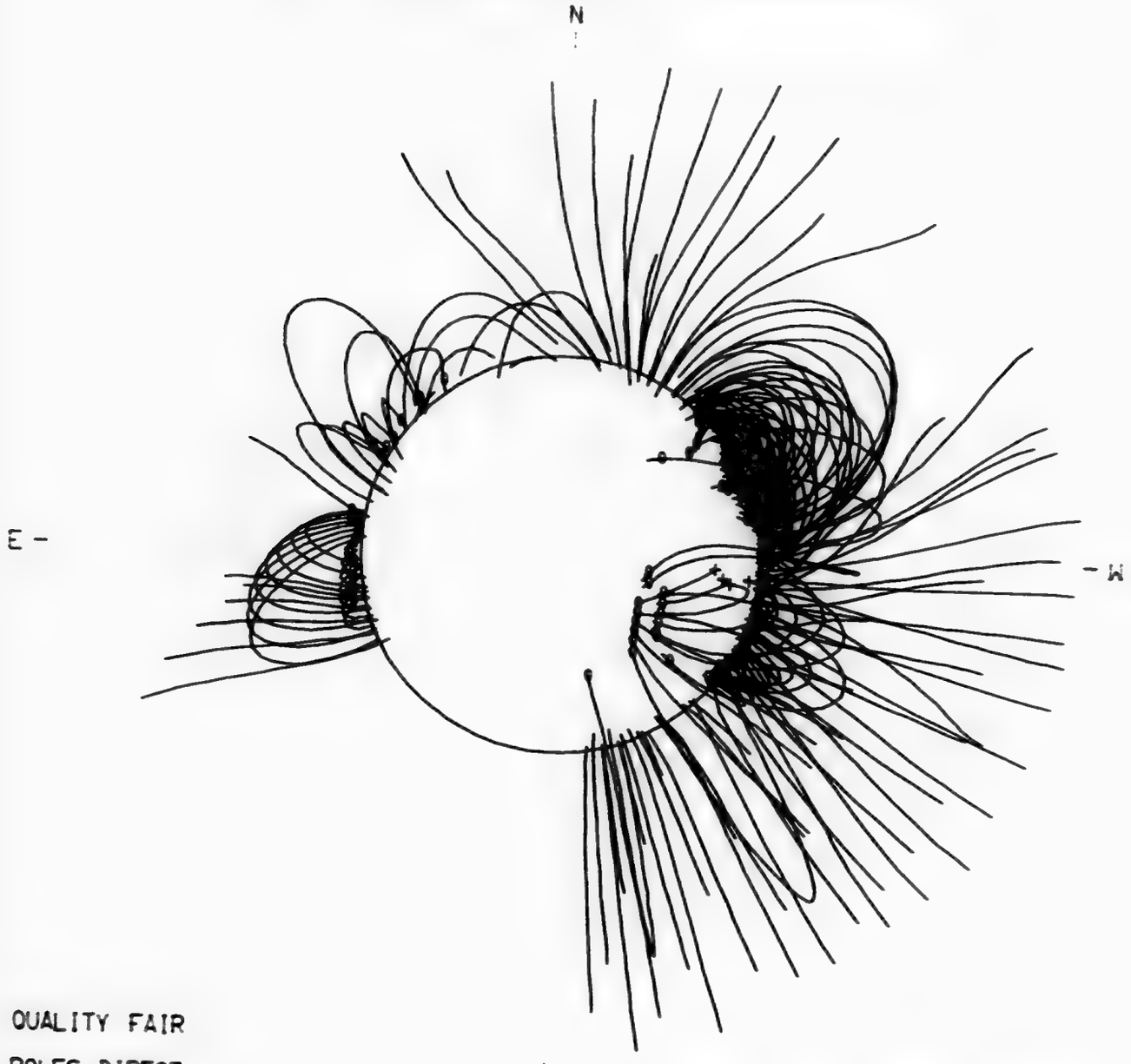
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 2[illegible]°

12.7 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

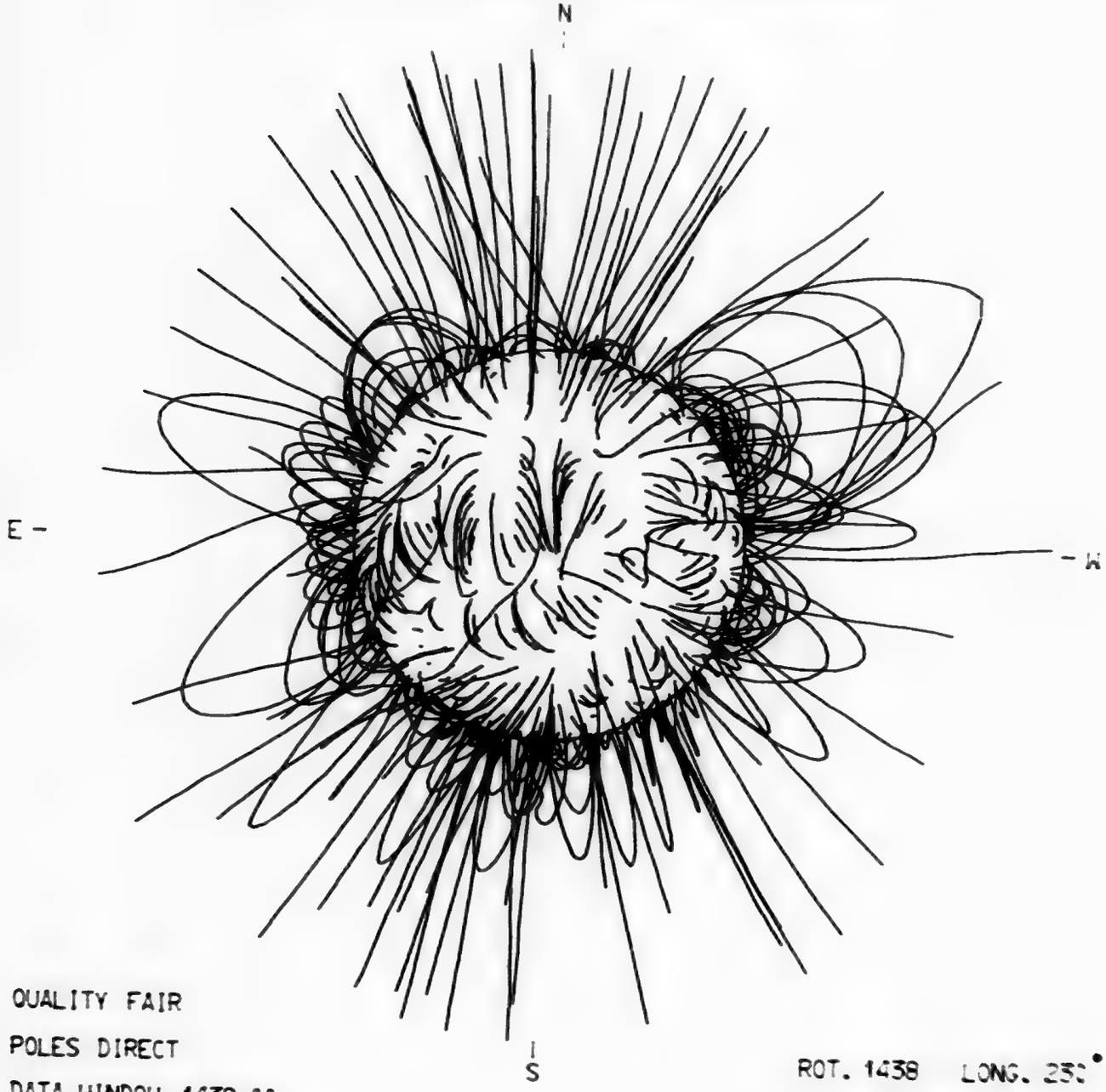
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 22[illegible]°

12.7 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

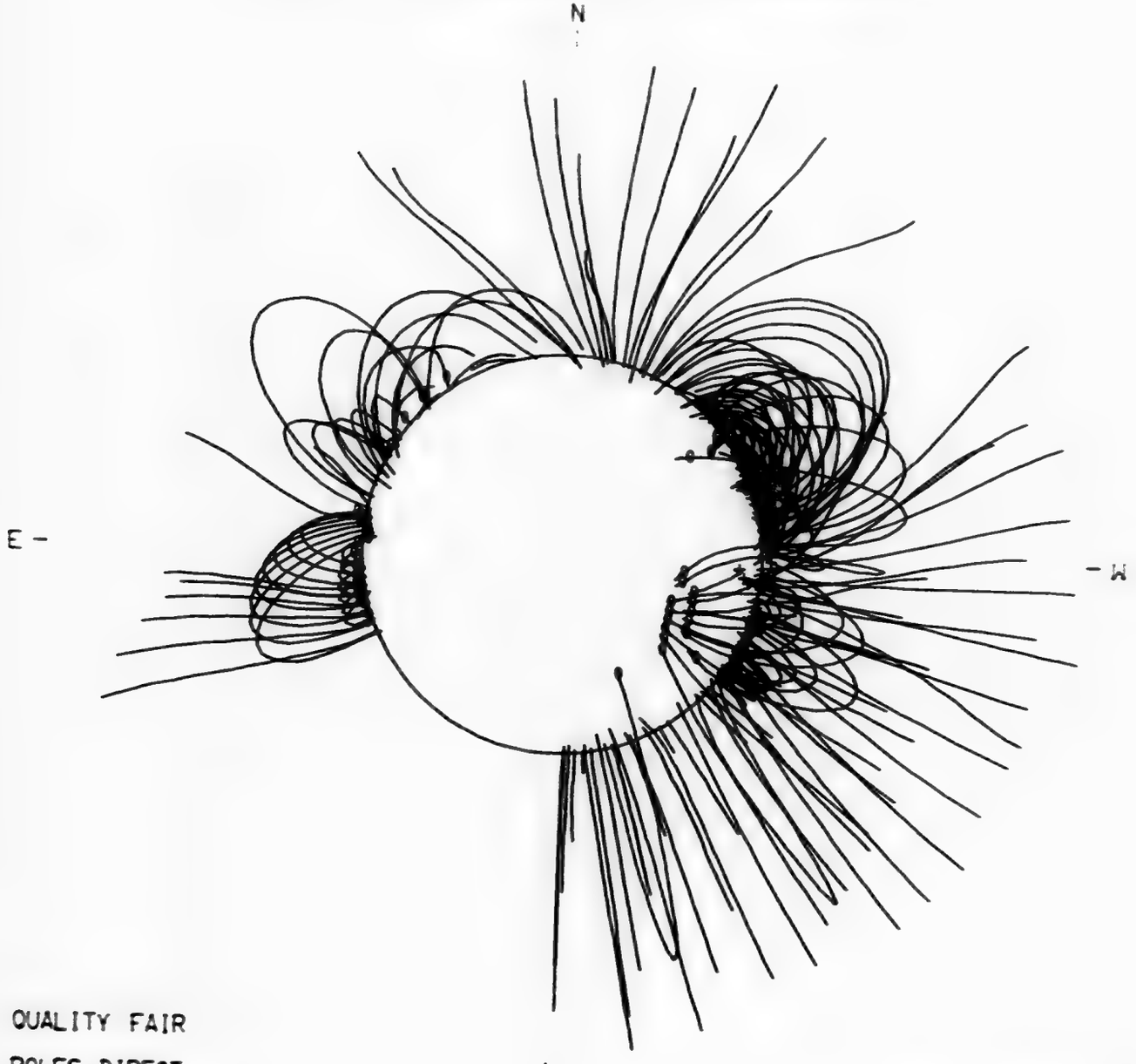
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 23[illegible]°

13.5 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

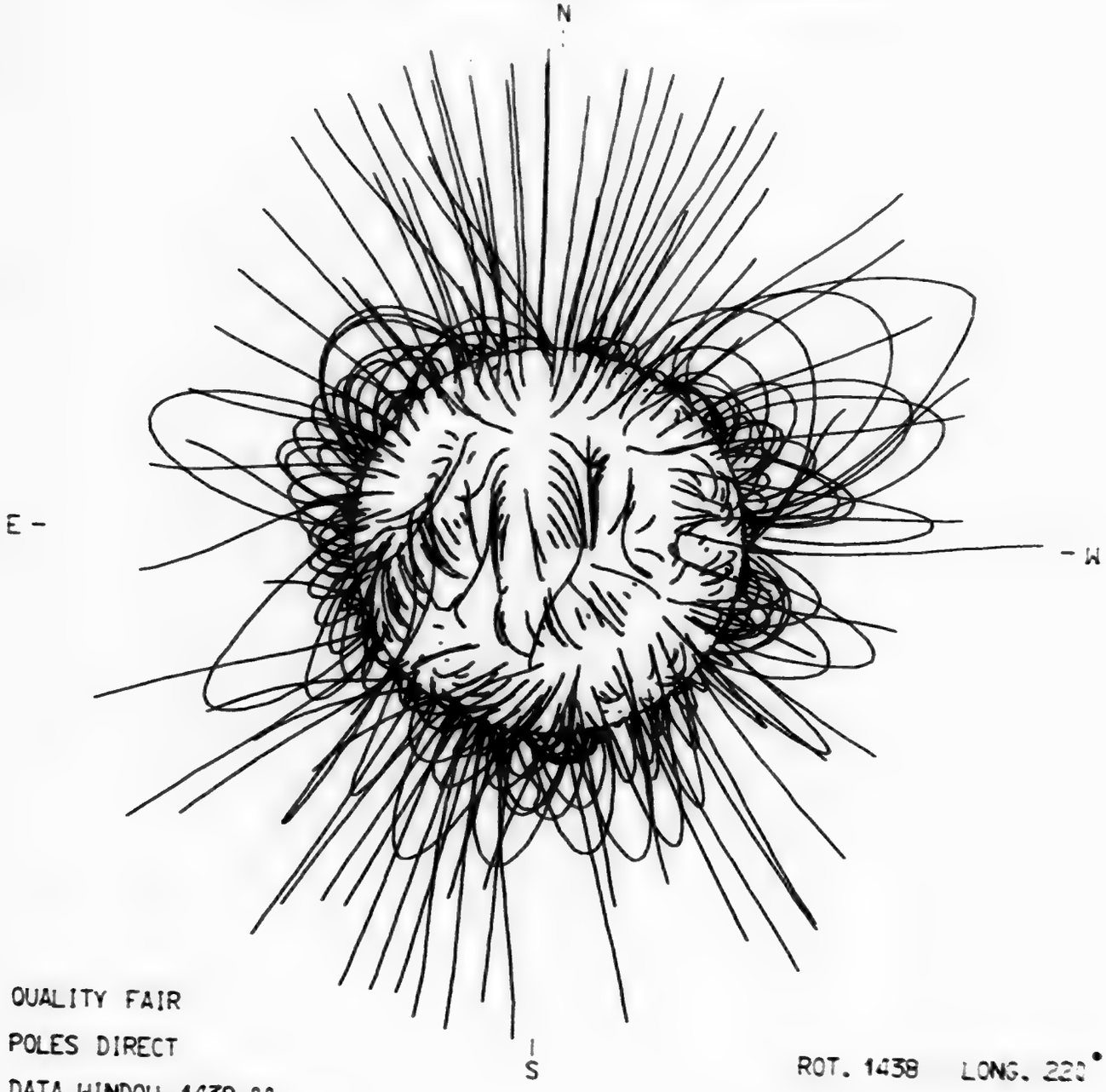
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 230°

13.5 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

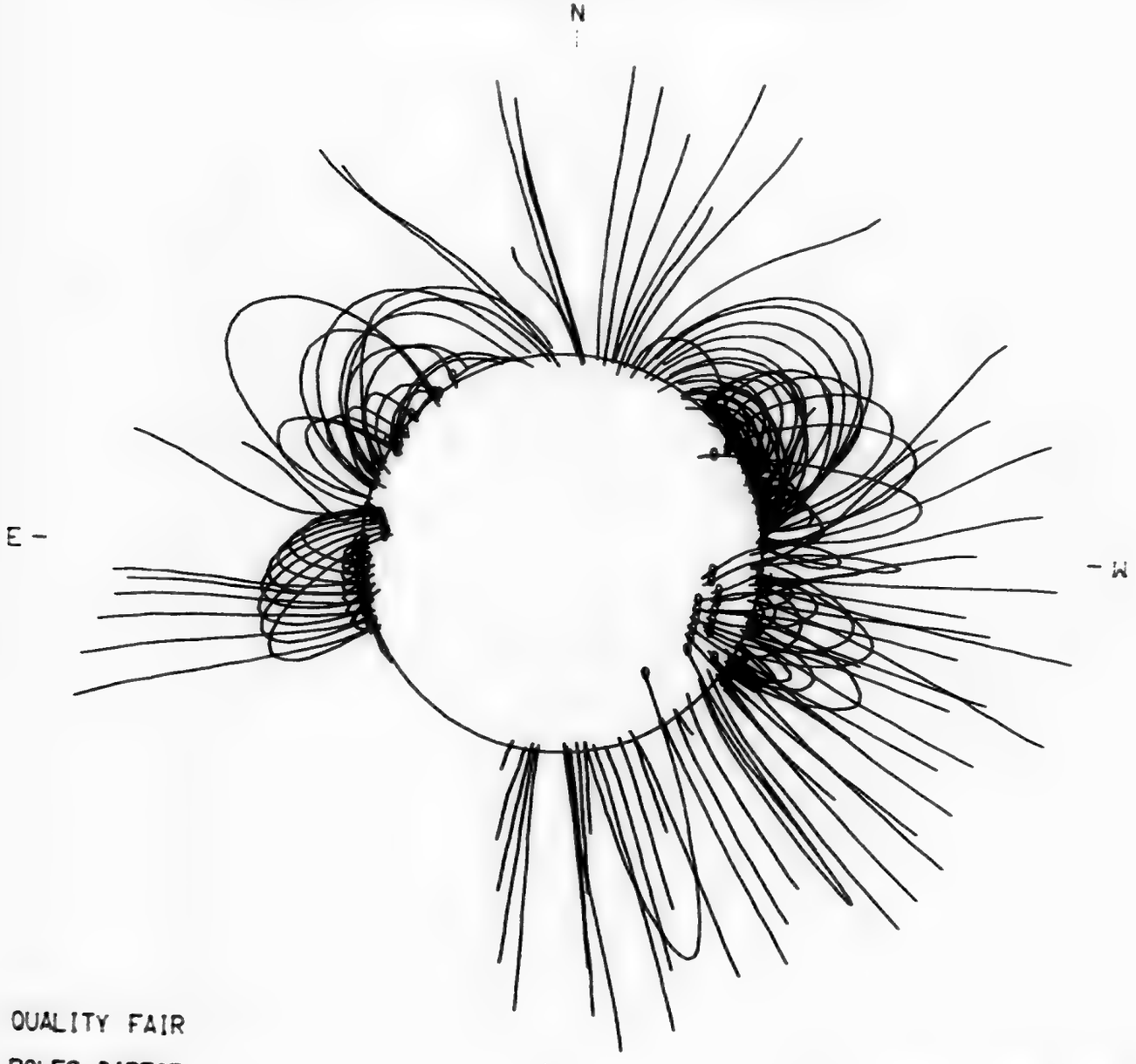
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 220°

14.2 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

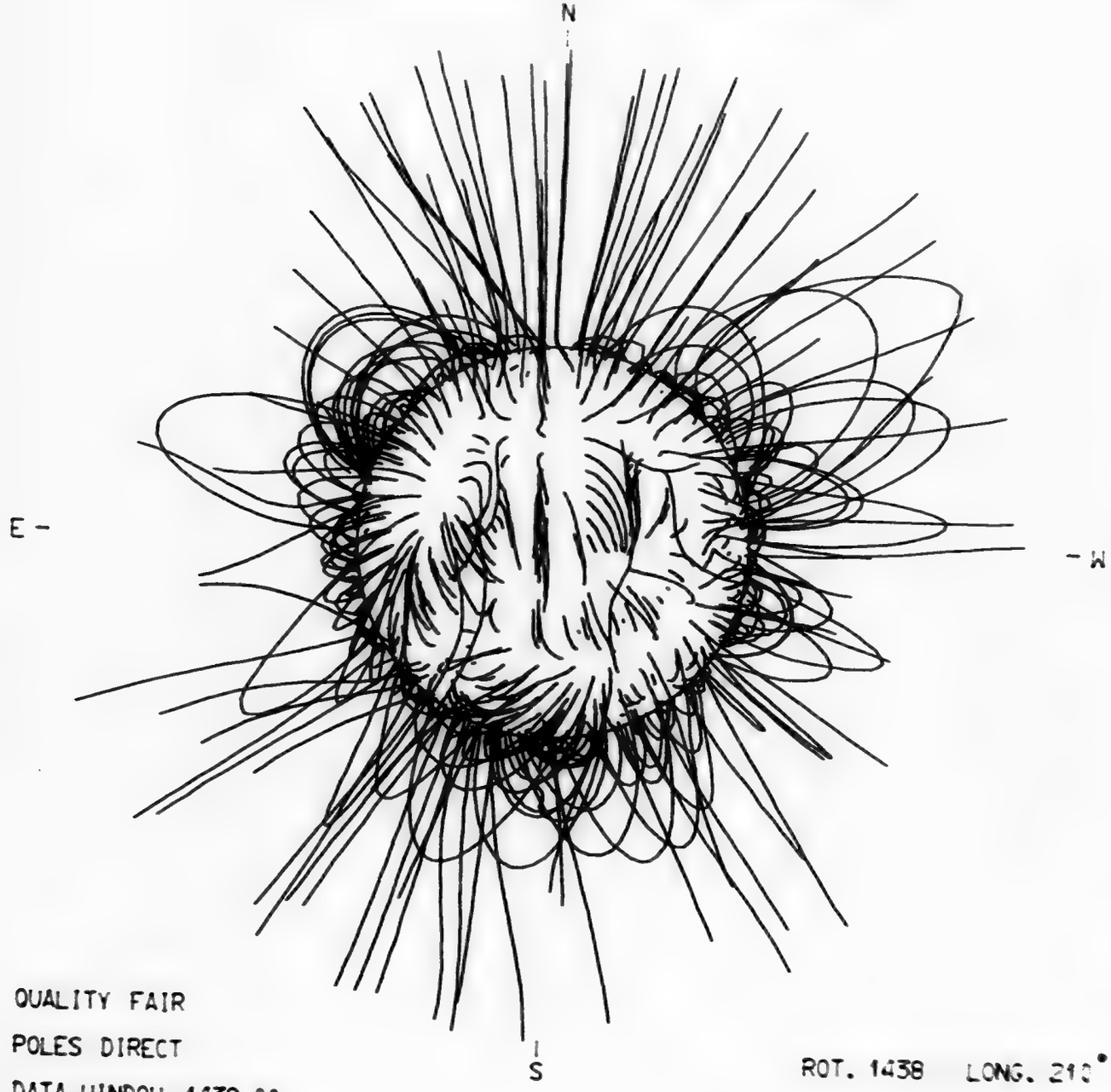
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 220°

14.2 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

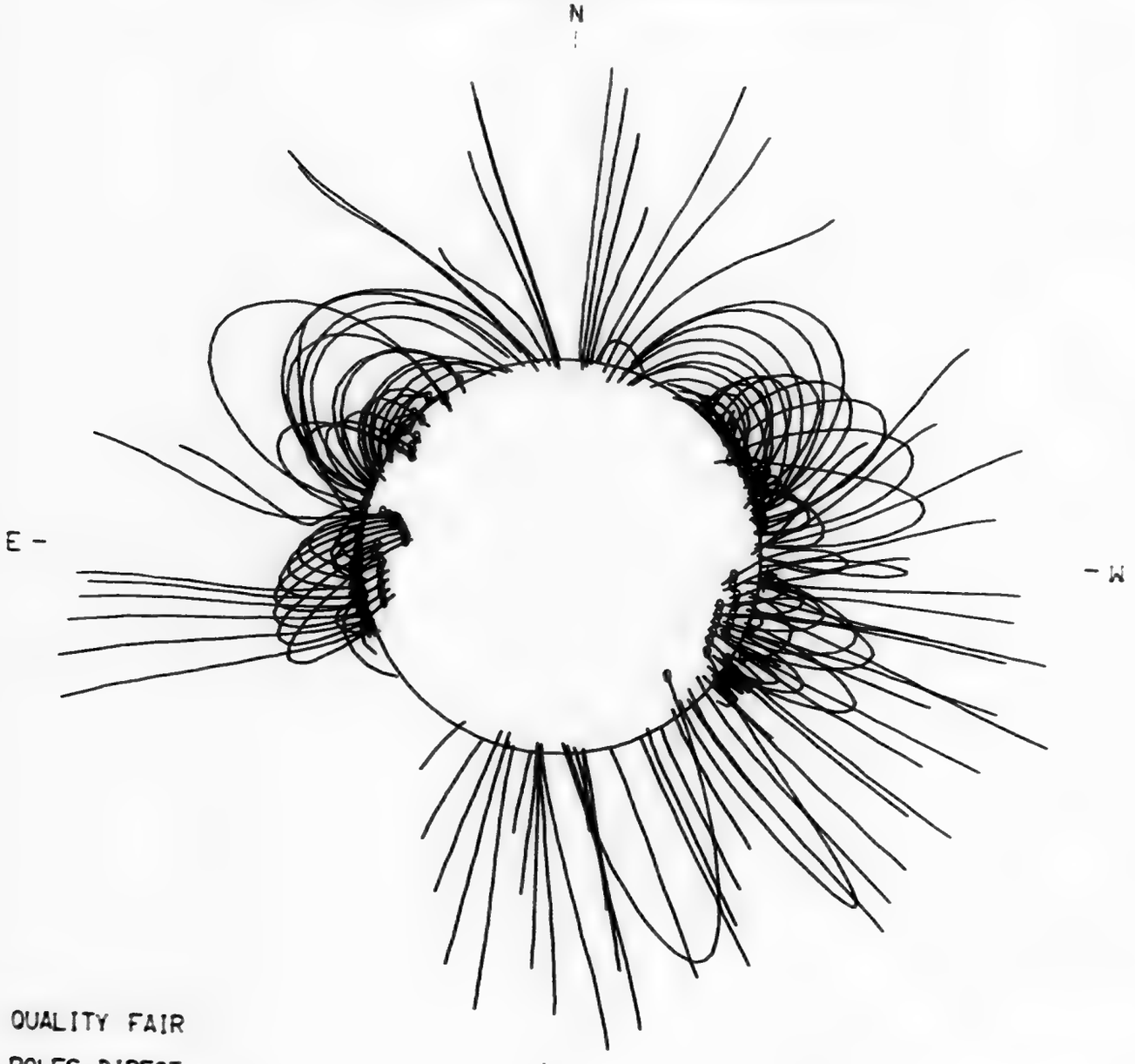
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 210°

15.0 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

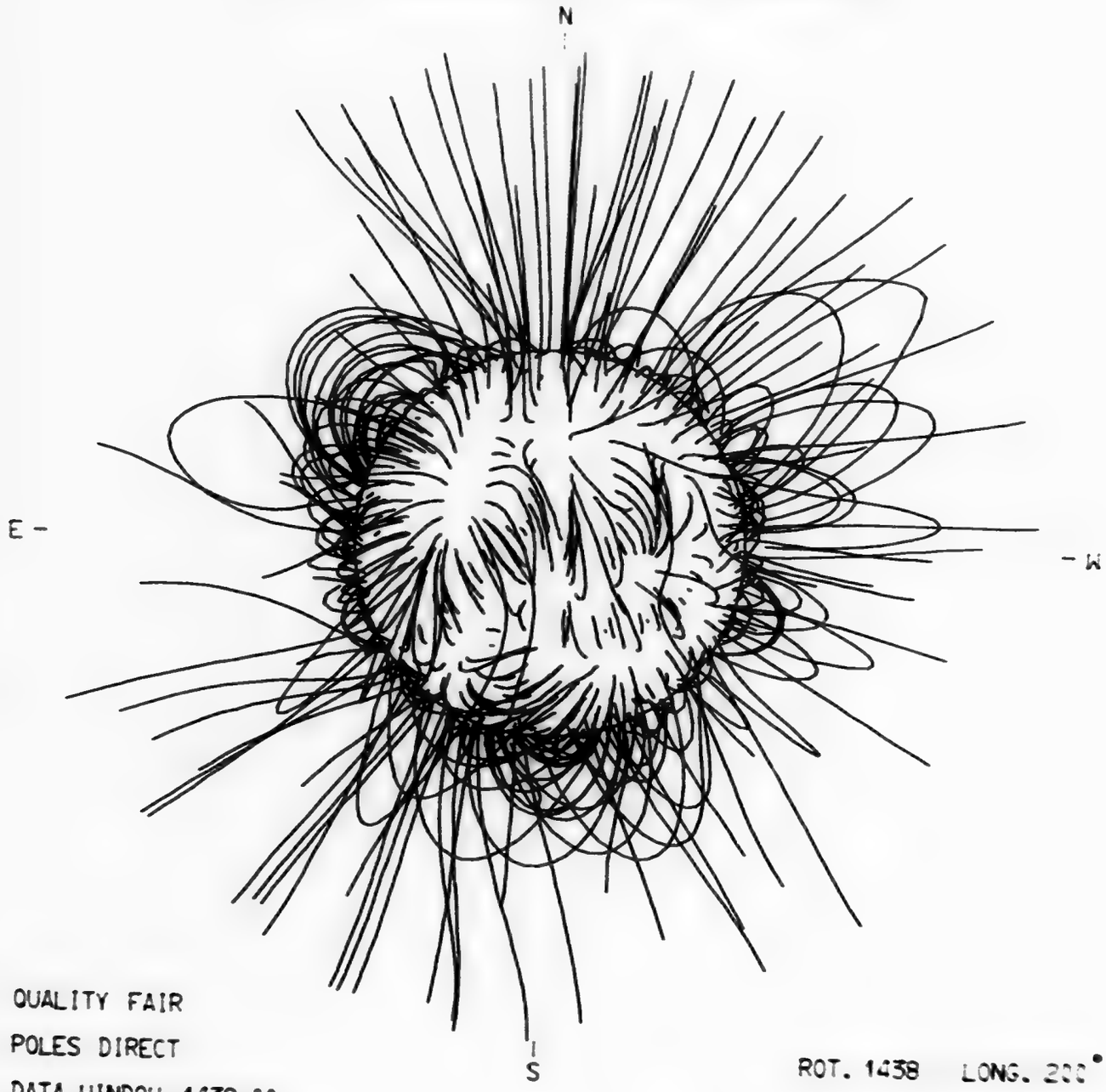
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 21°

15.0 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

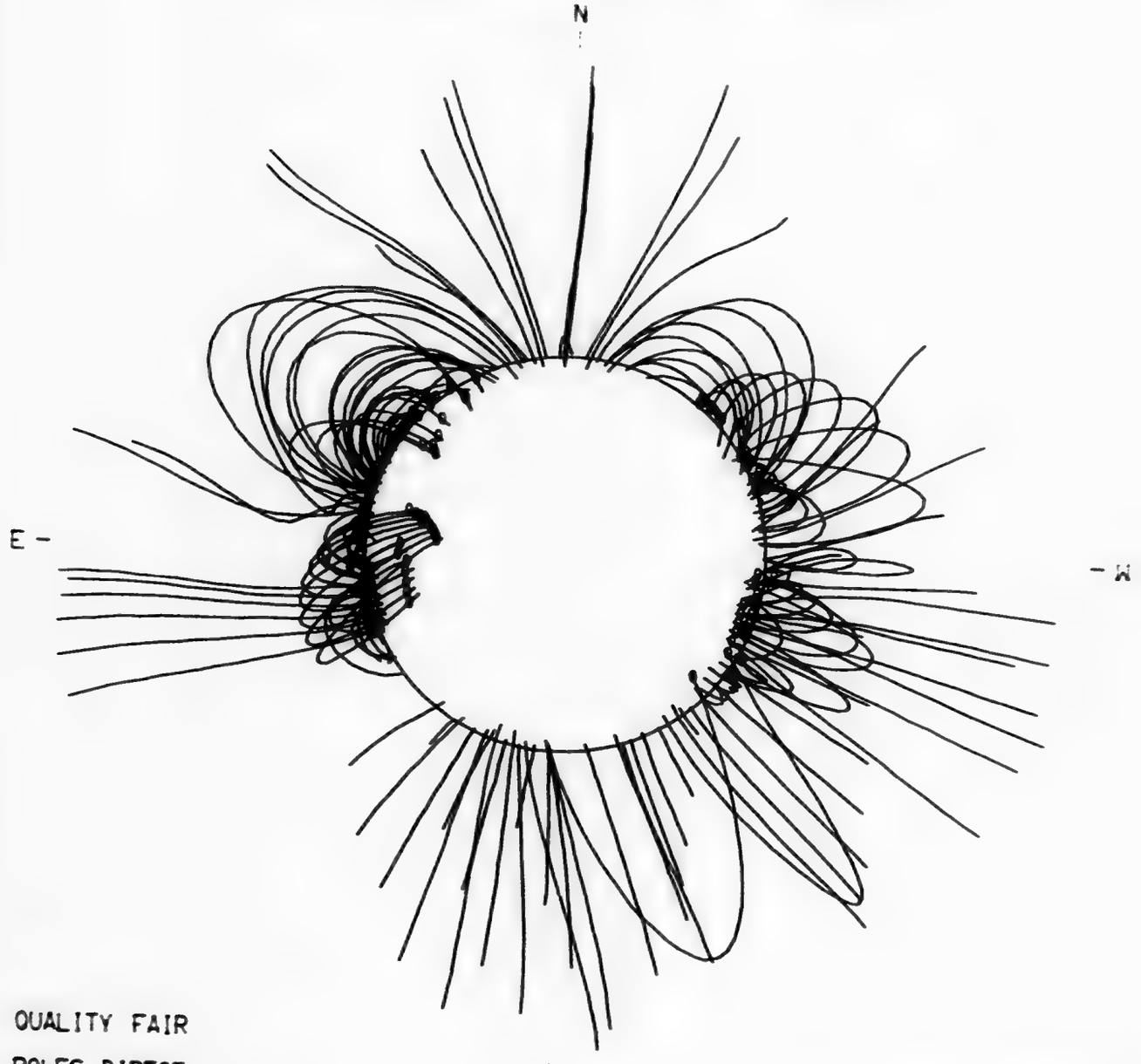
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 200°

15.7 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

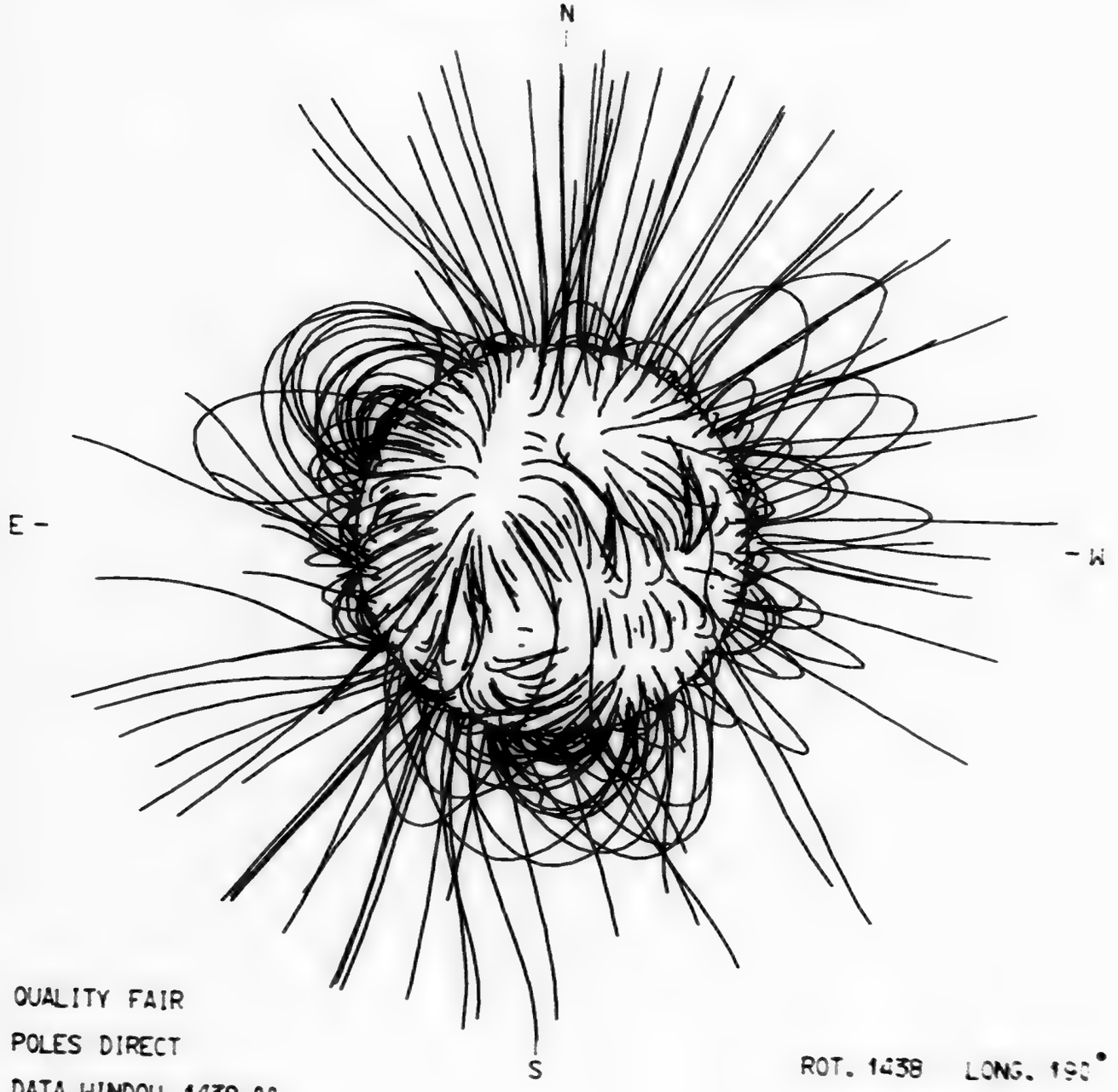
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 200°

15.7 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

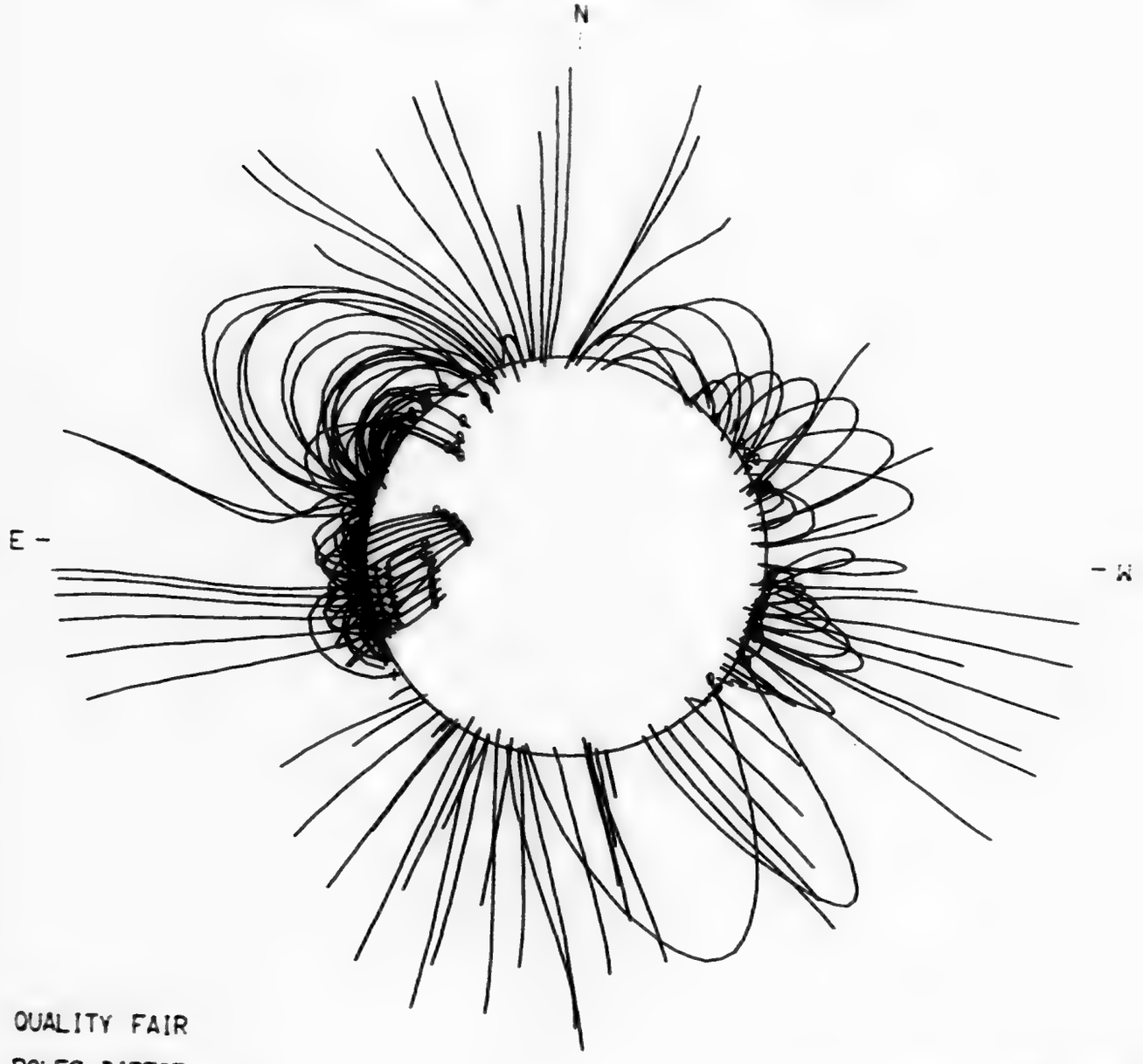
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 19[illegible]°

16.5 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

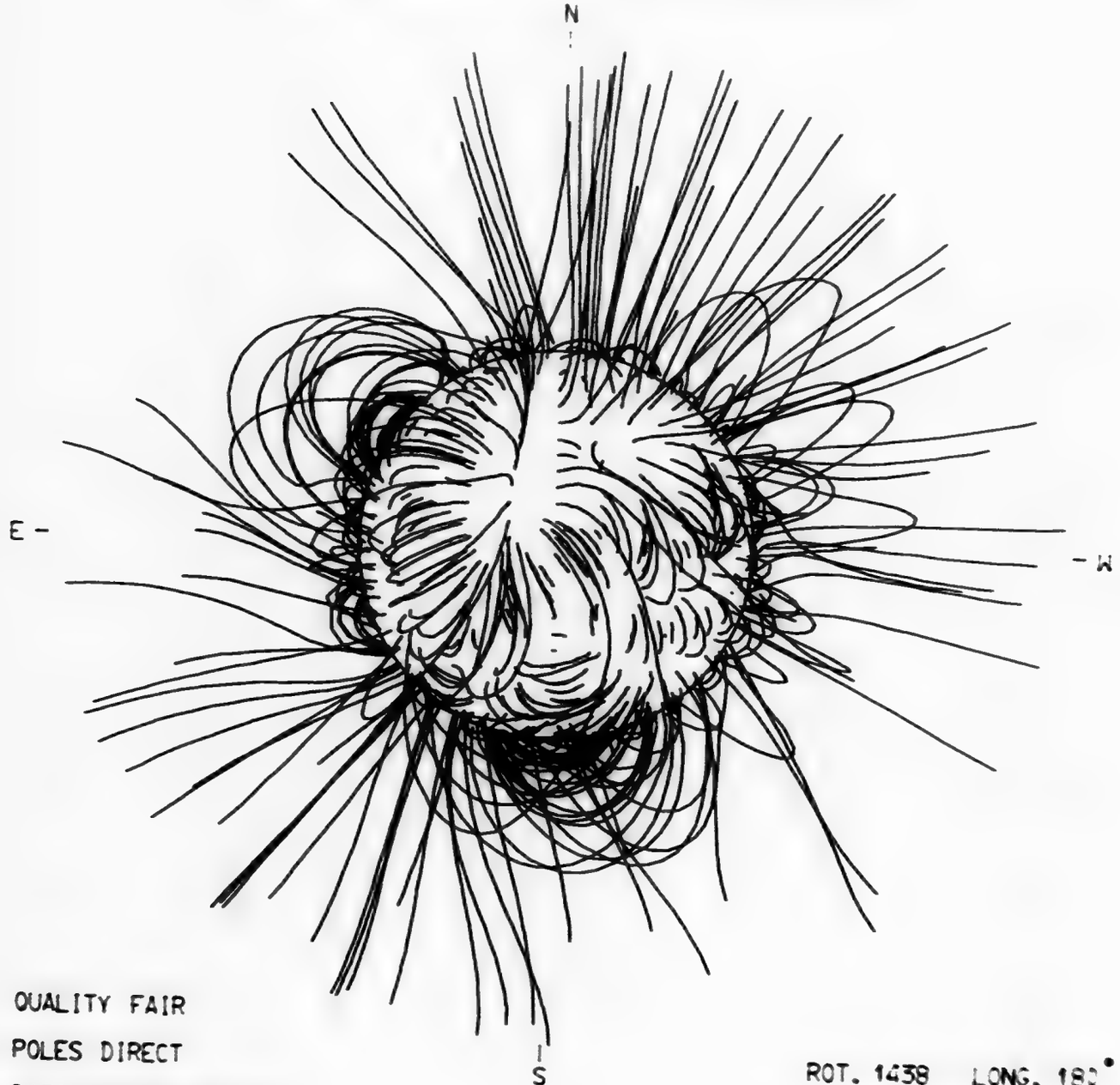
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 190°

16.5 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

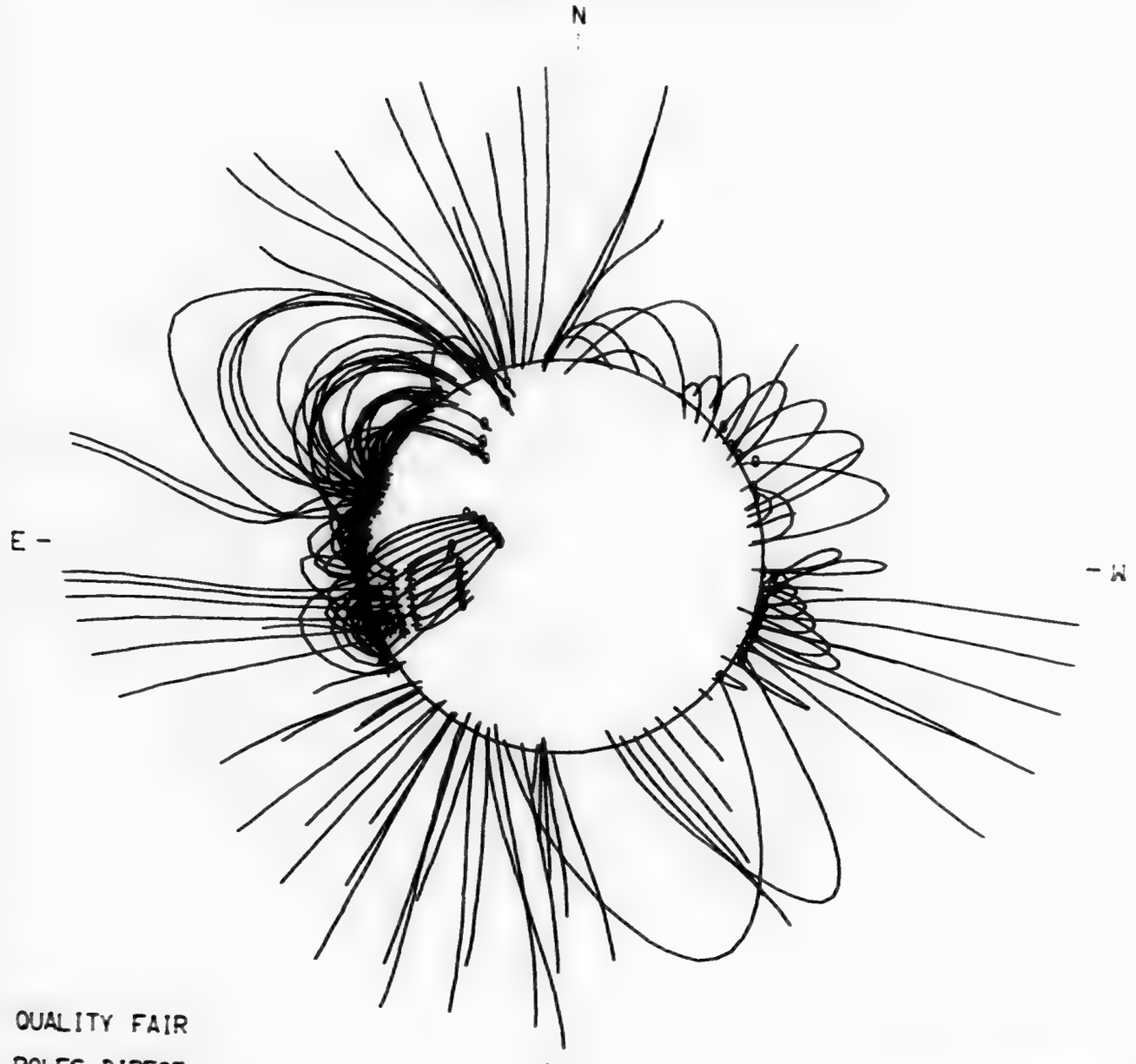
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 180°

17.2 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

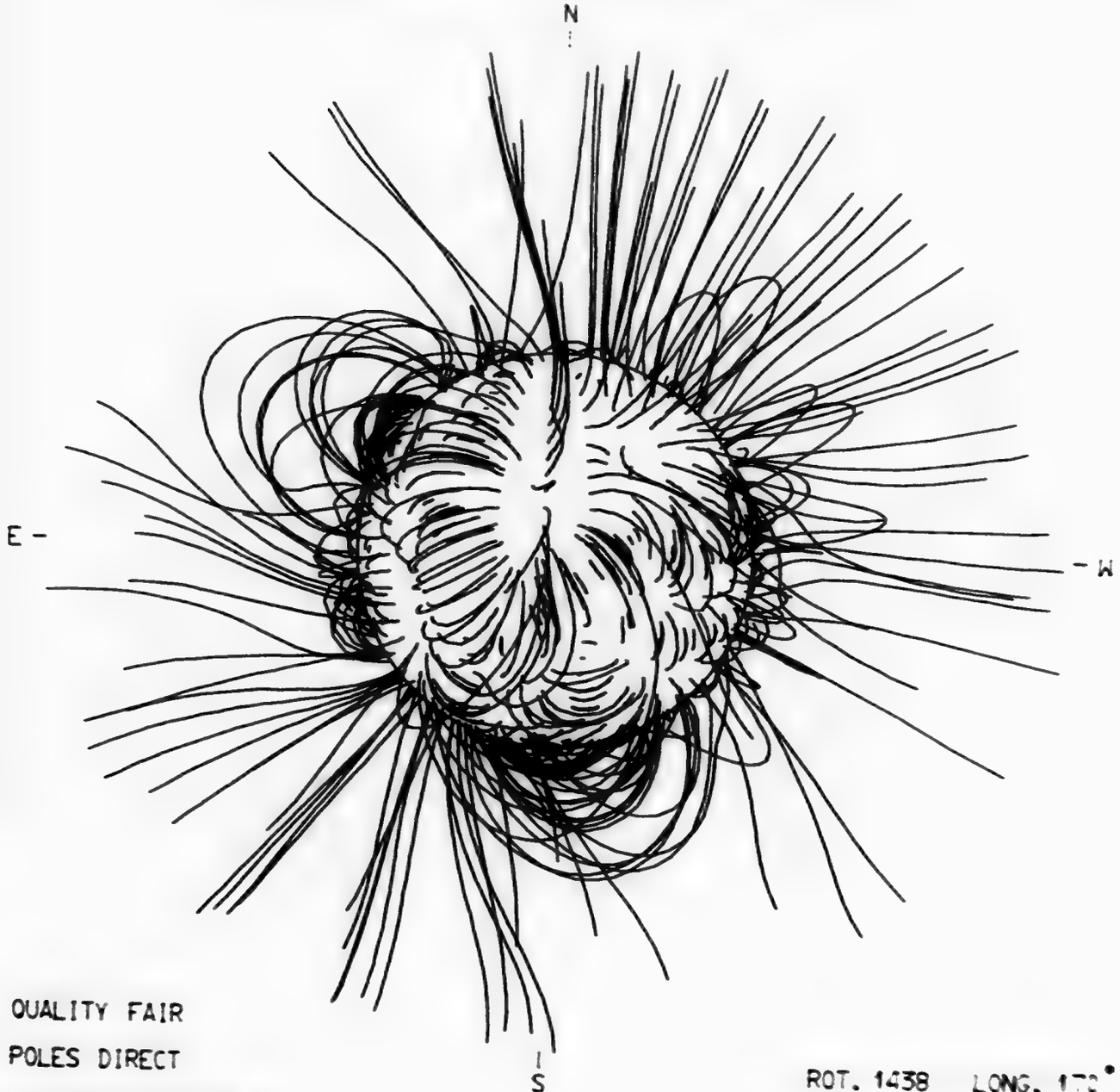
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 18[illegible]°

17.2 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

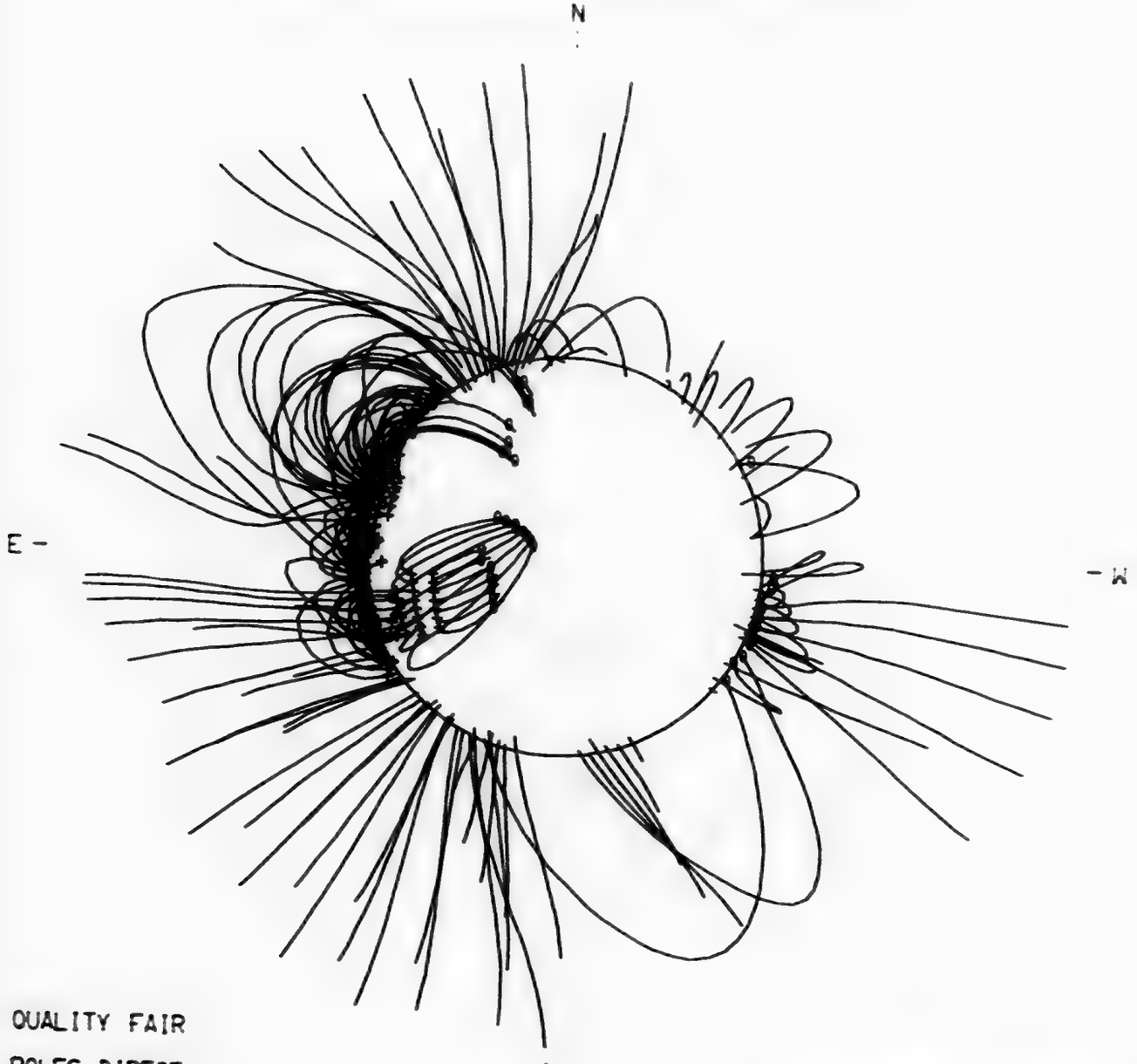
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 170°

18.0 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

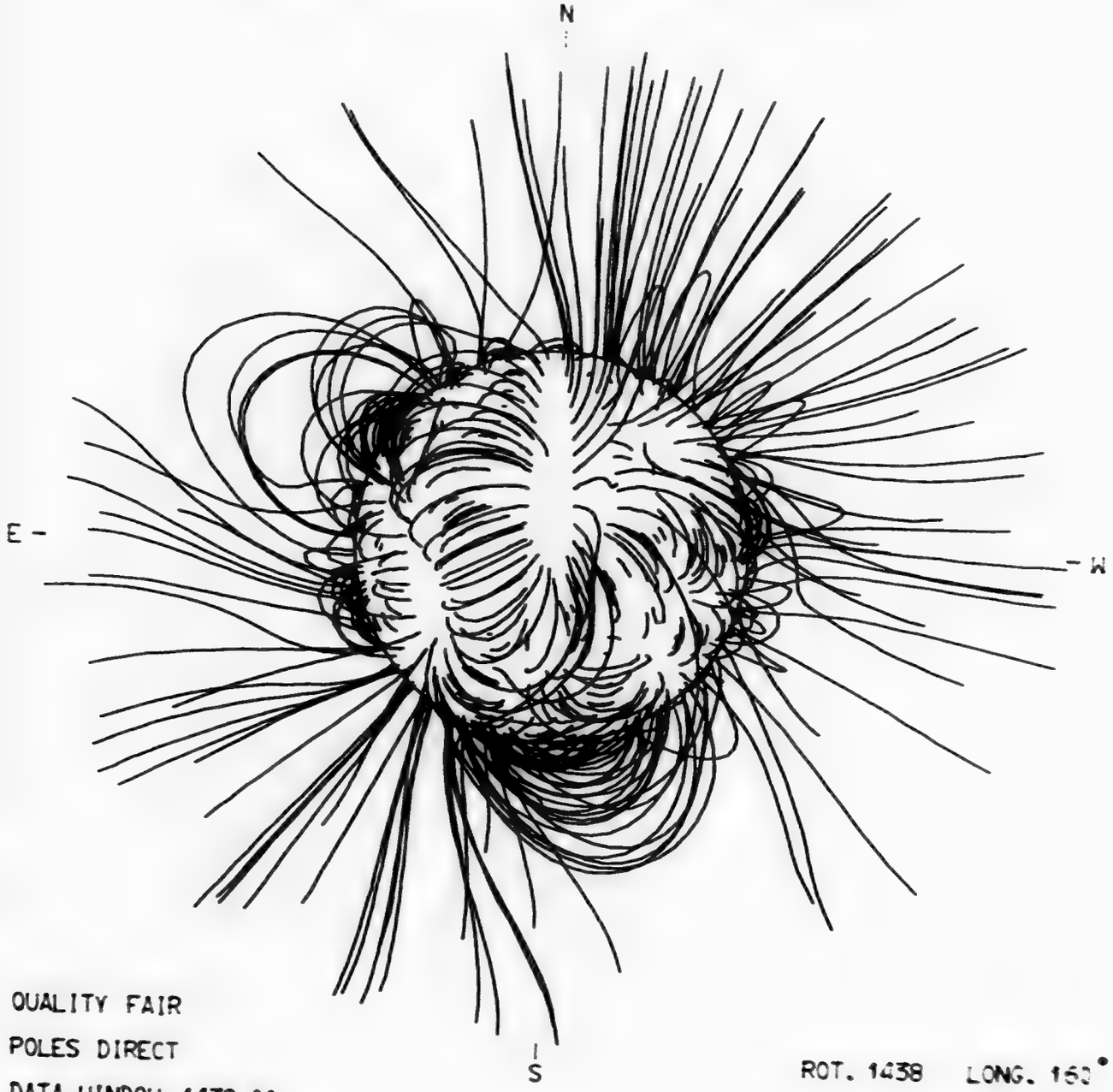
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 17?°

18.0 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

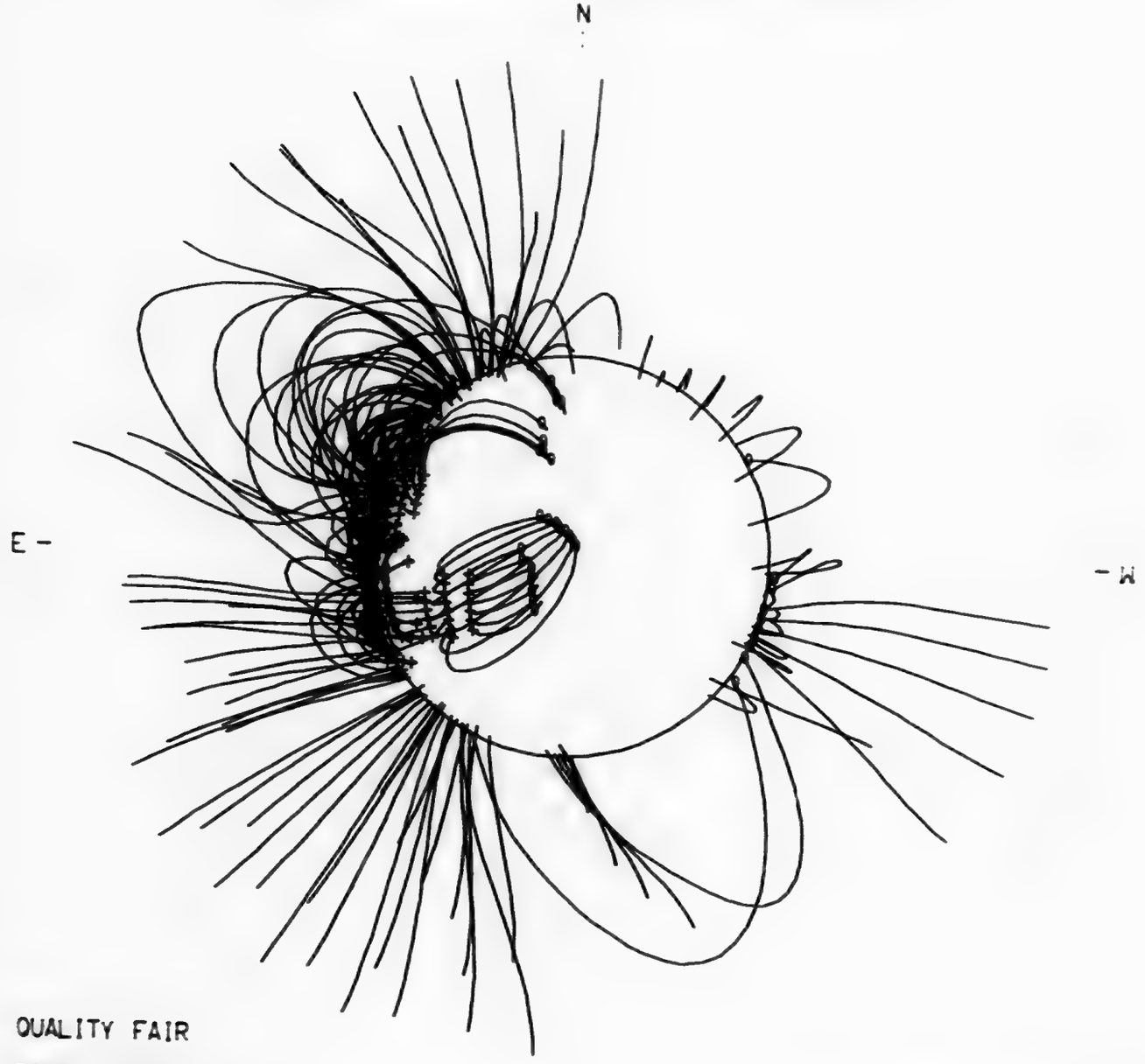
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 160°

18.8 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

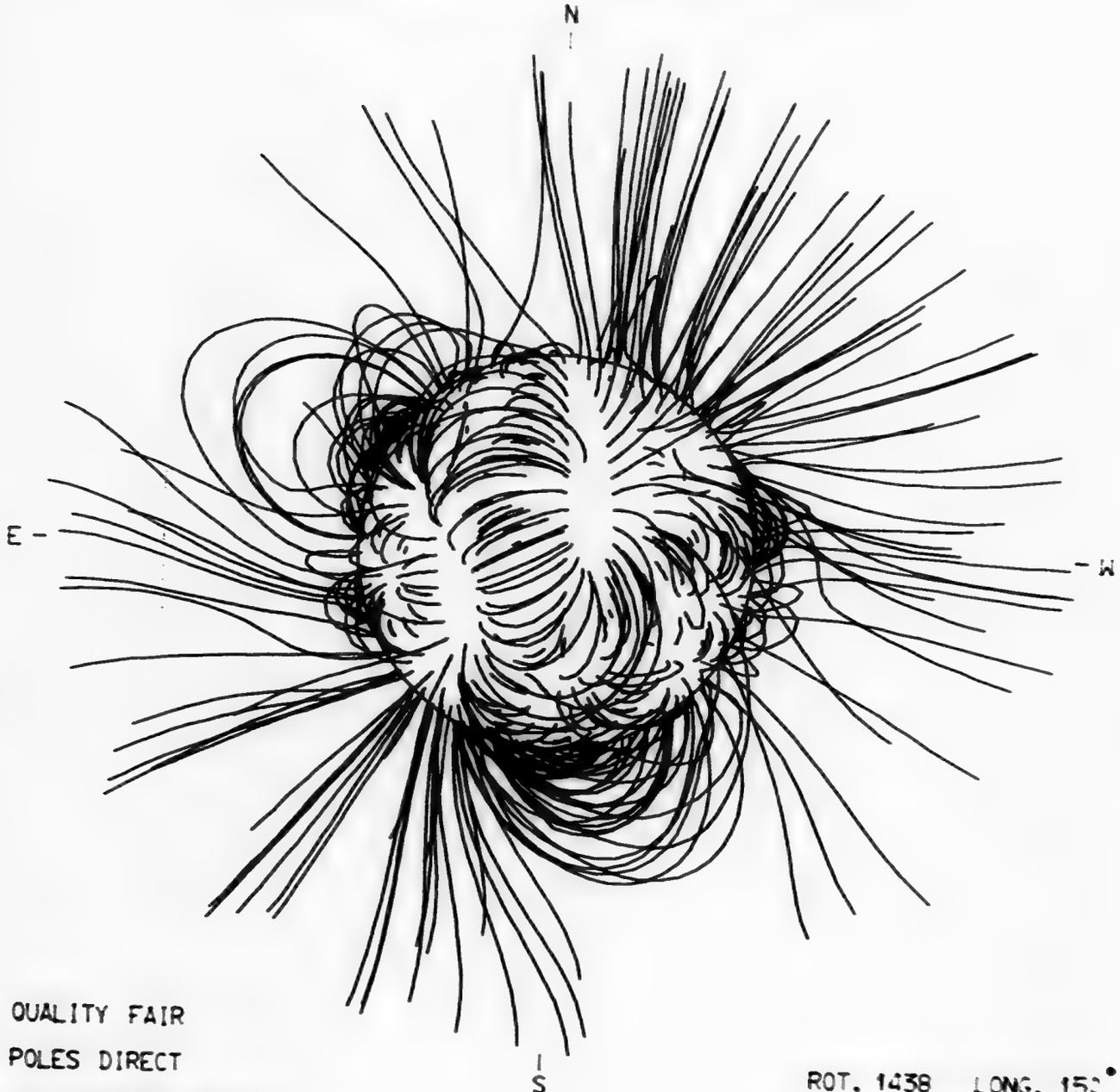
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 160°

18.8 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

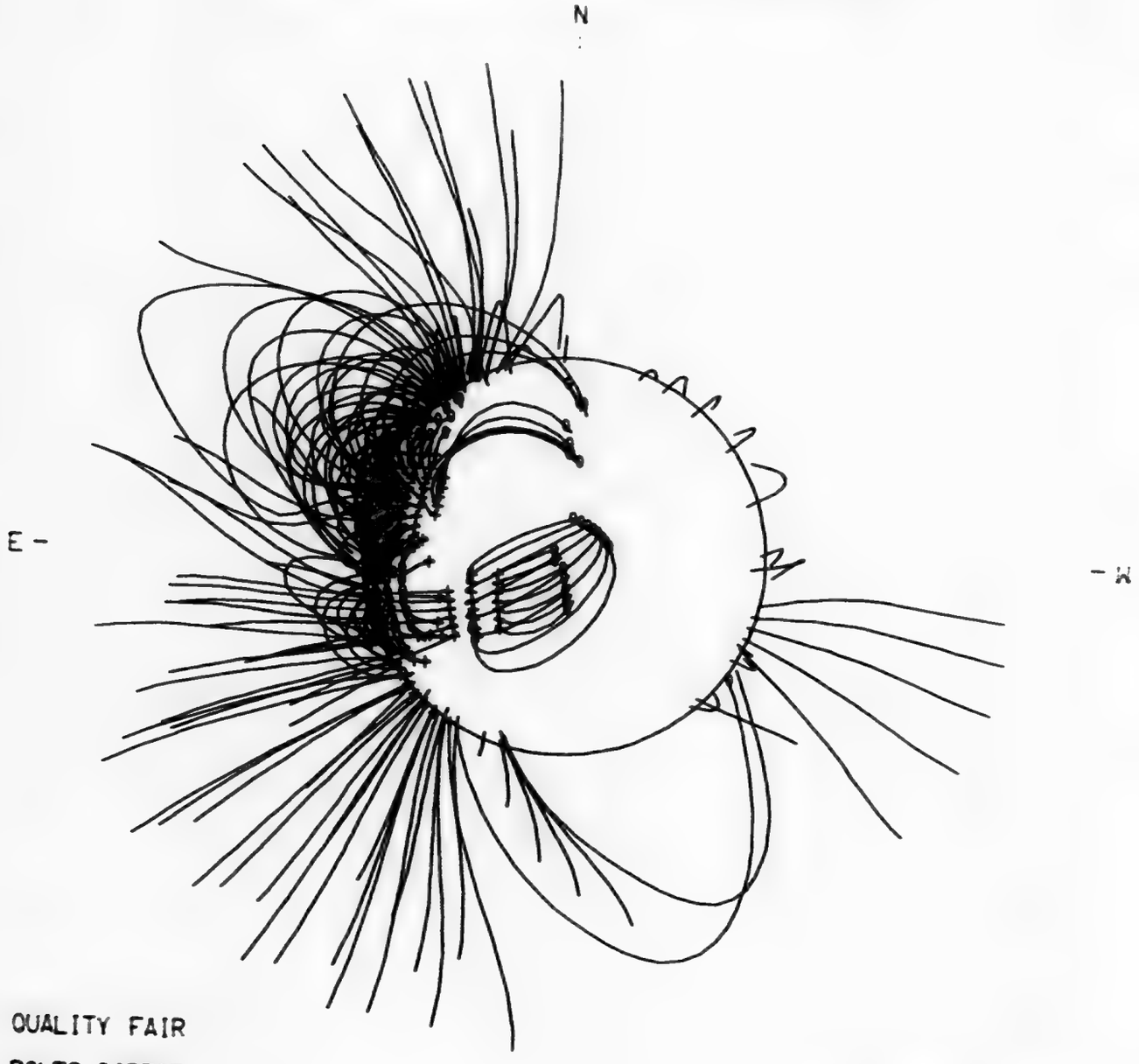
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 15?°

19.5 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

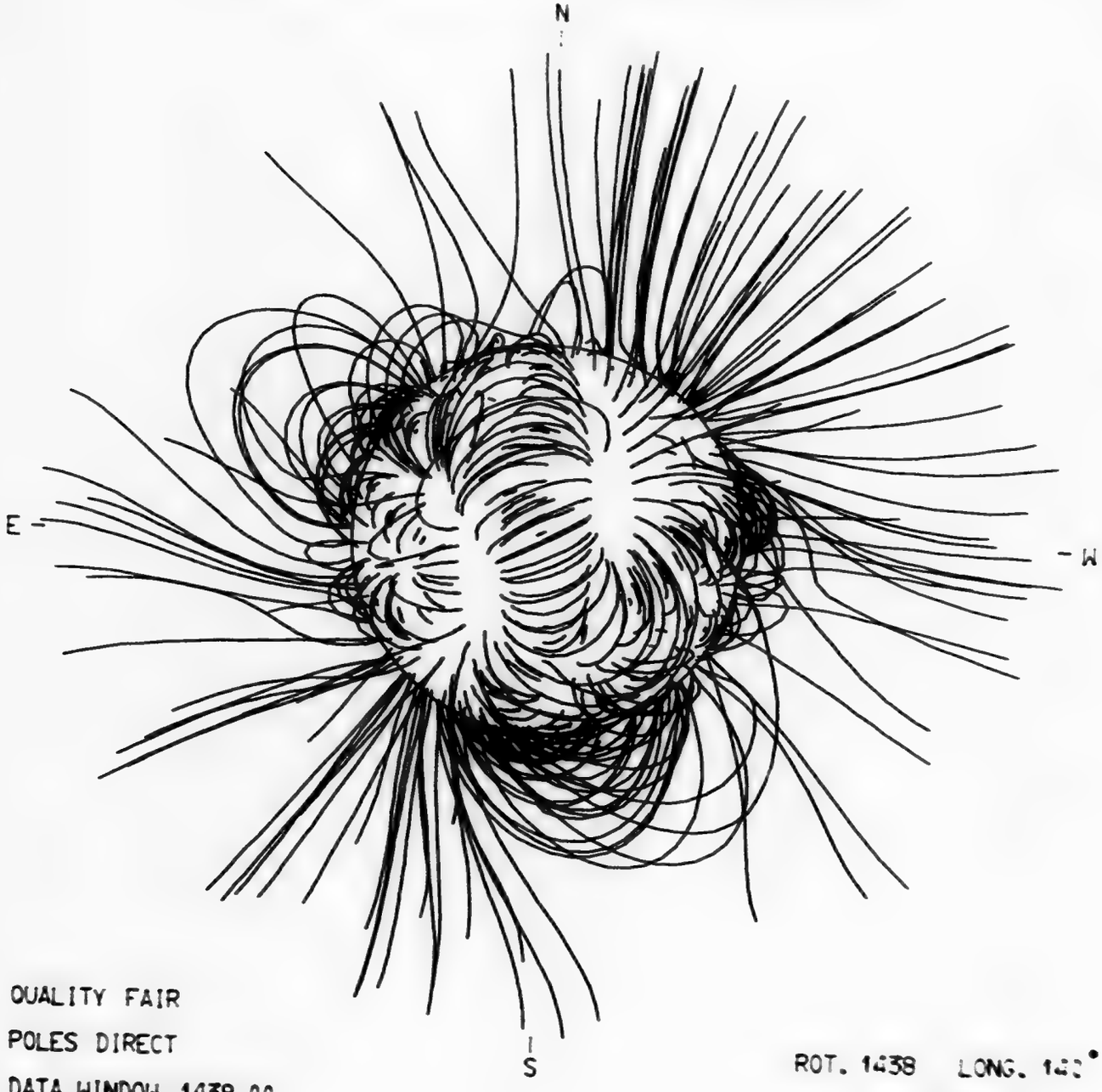
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 152°

19.5 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

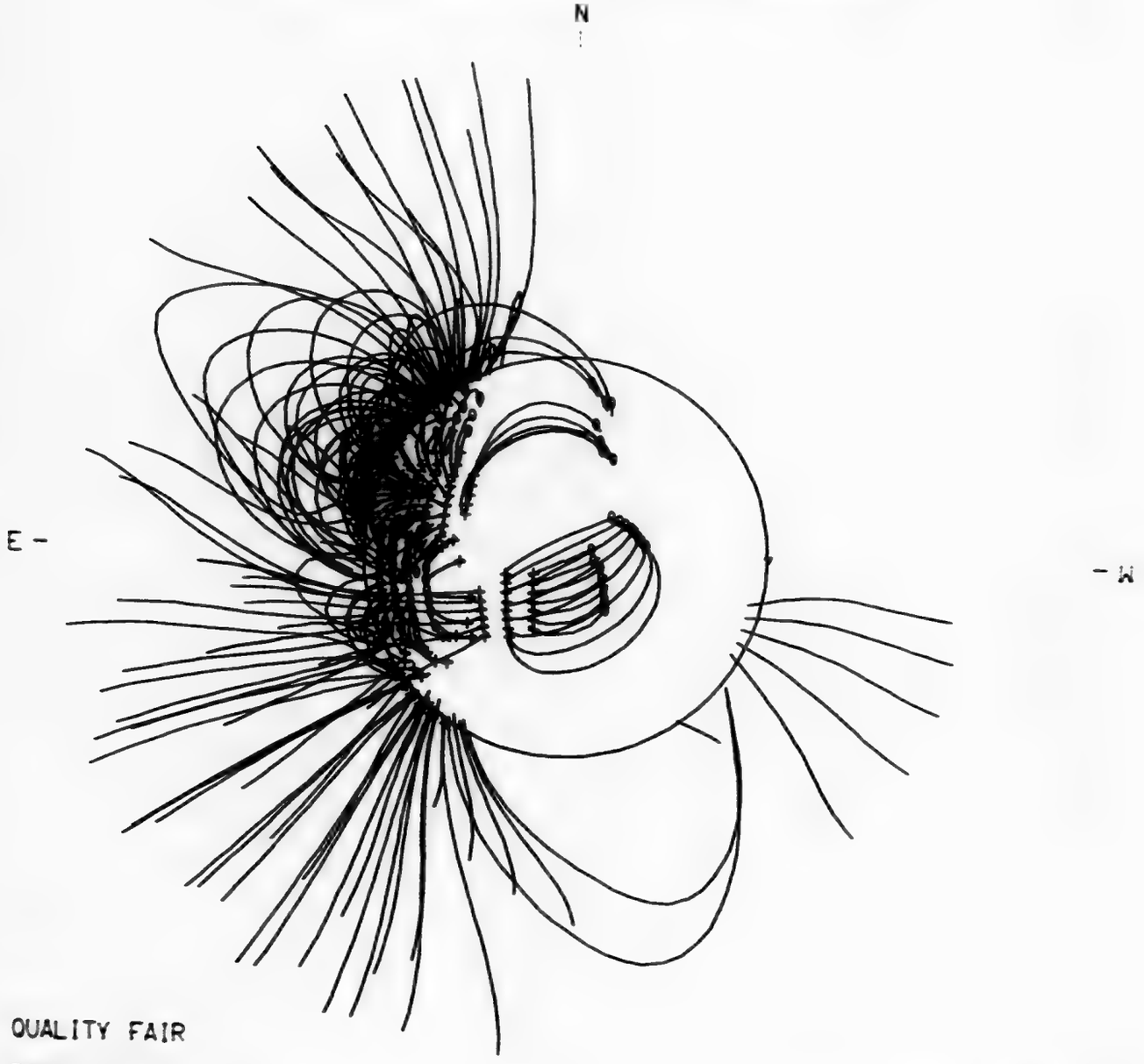
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 1[illegible]°

20.3 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

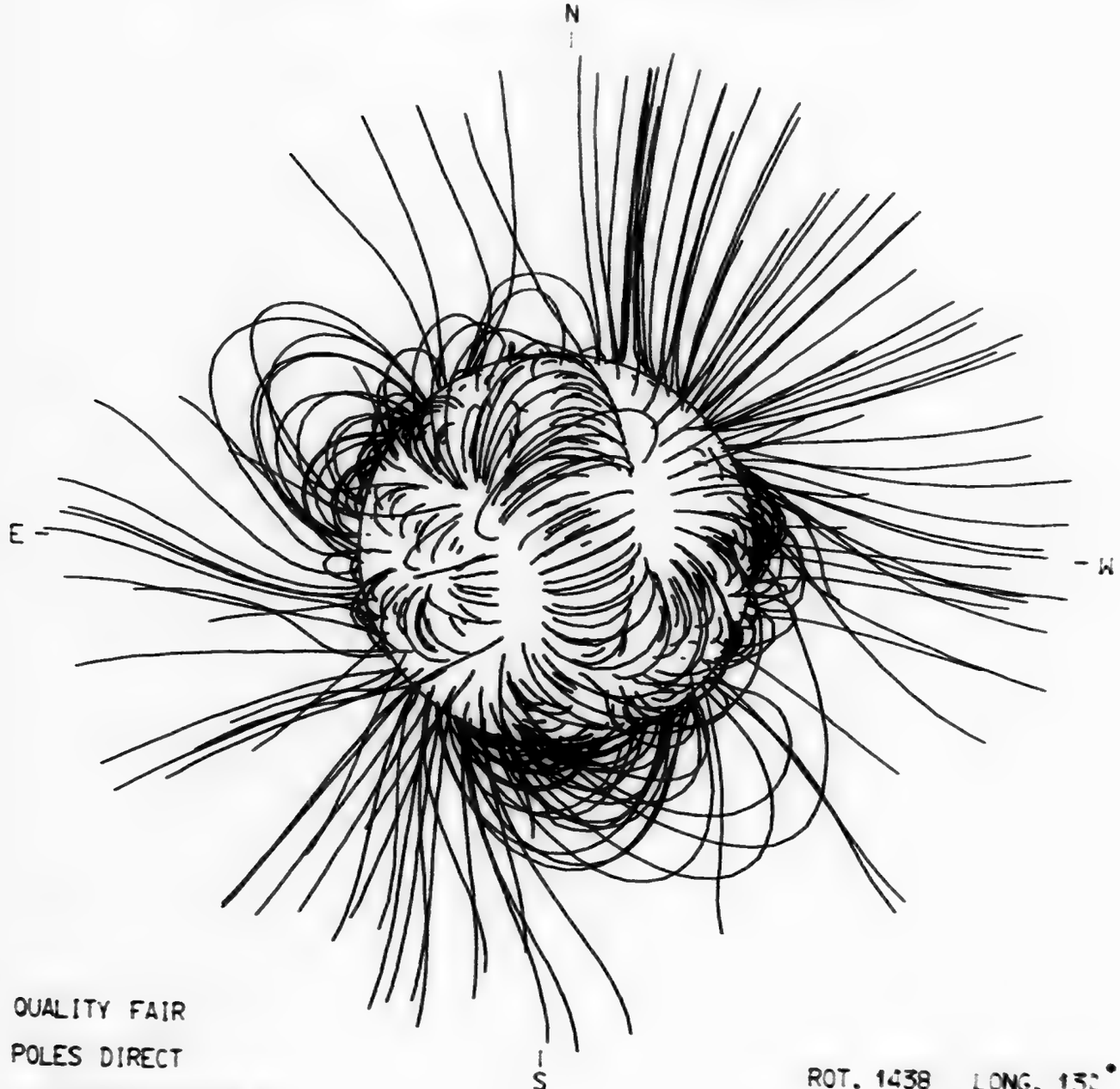
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 140°

20.3 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

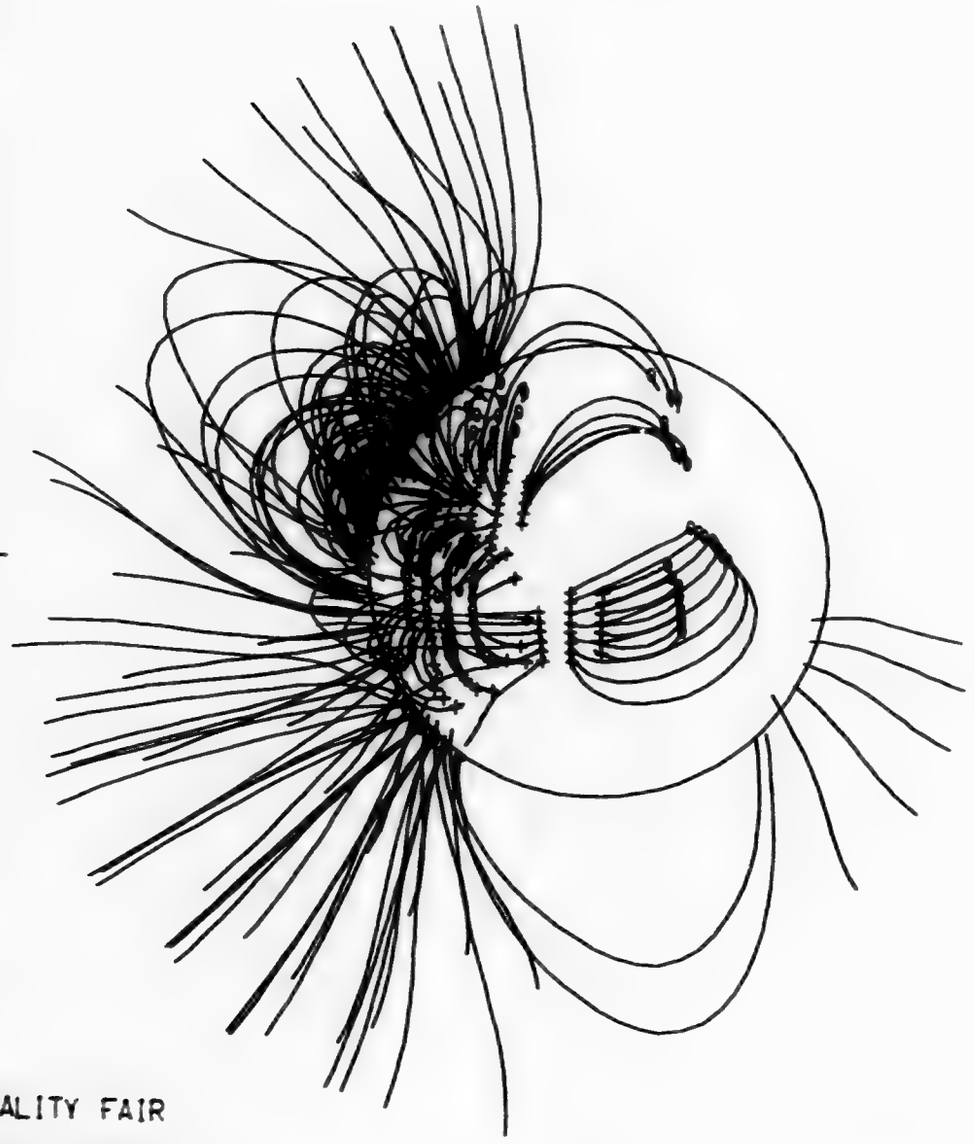
DATA WINDOW 1438.00

ROT. 1438 LONG. 13[illegible]°

21.0 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY FAIR

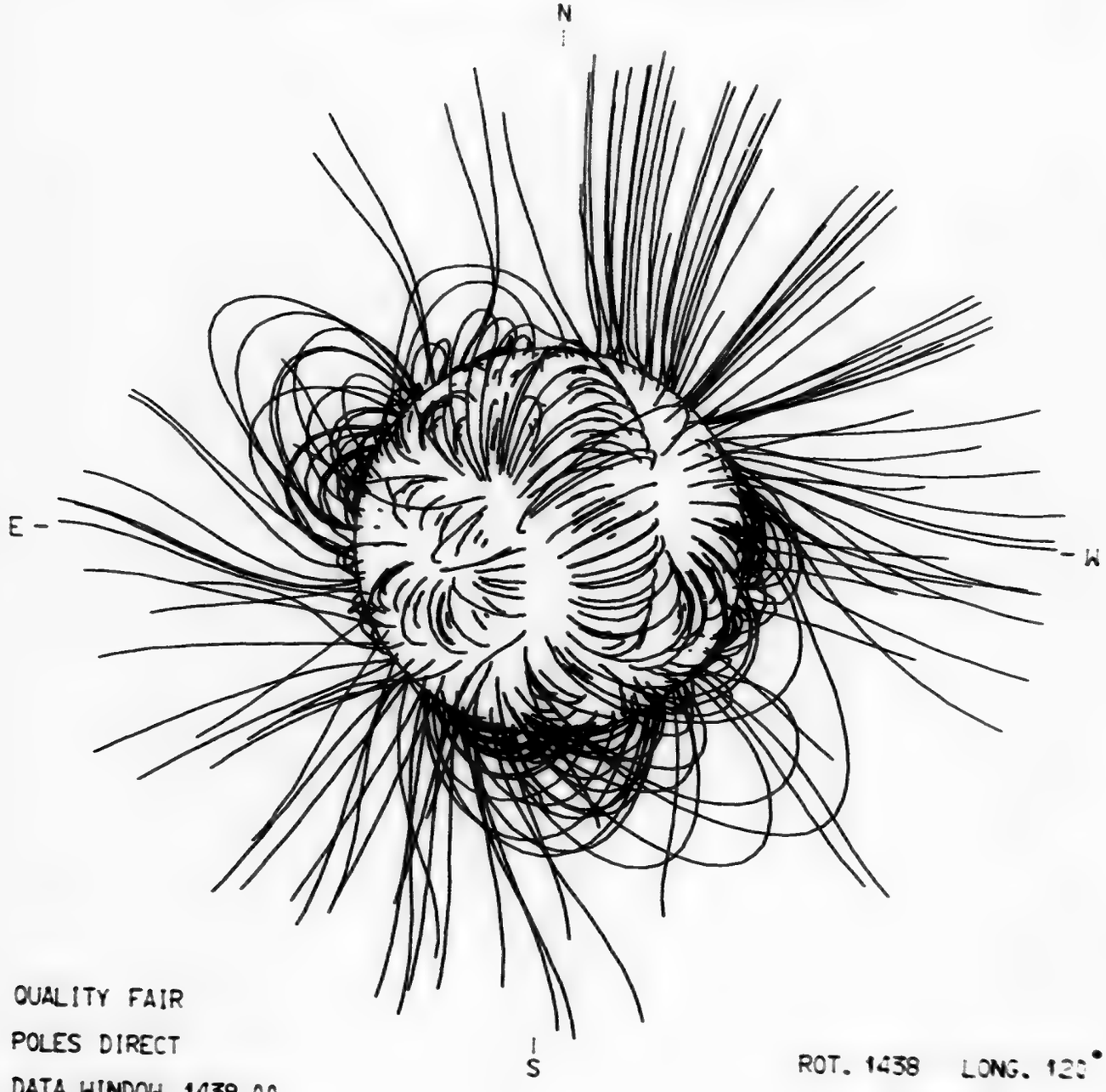
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 130°

21.0 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1438.00

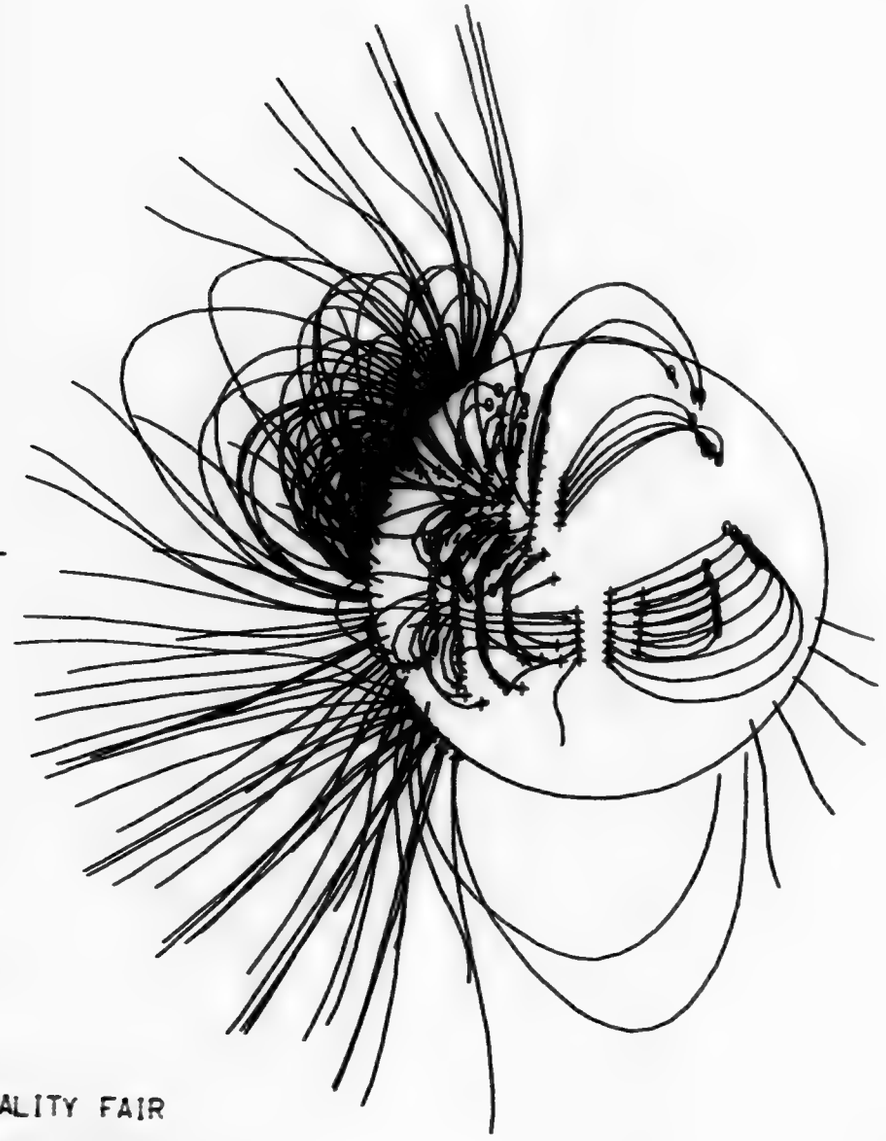
ROT. 1438 LONG. 12[illegible]°

21.8 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY FAIR

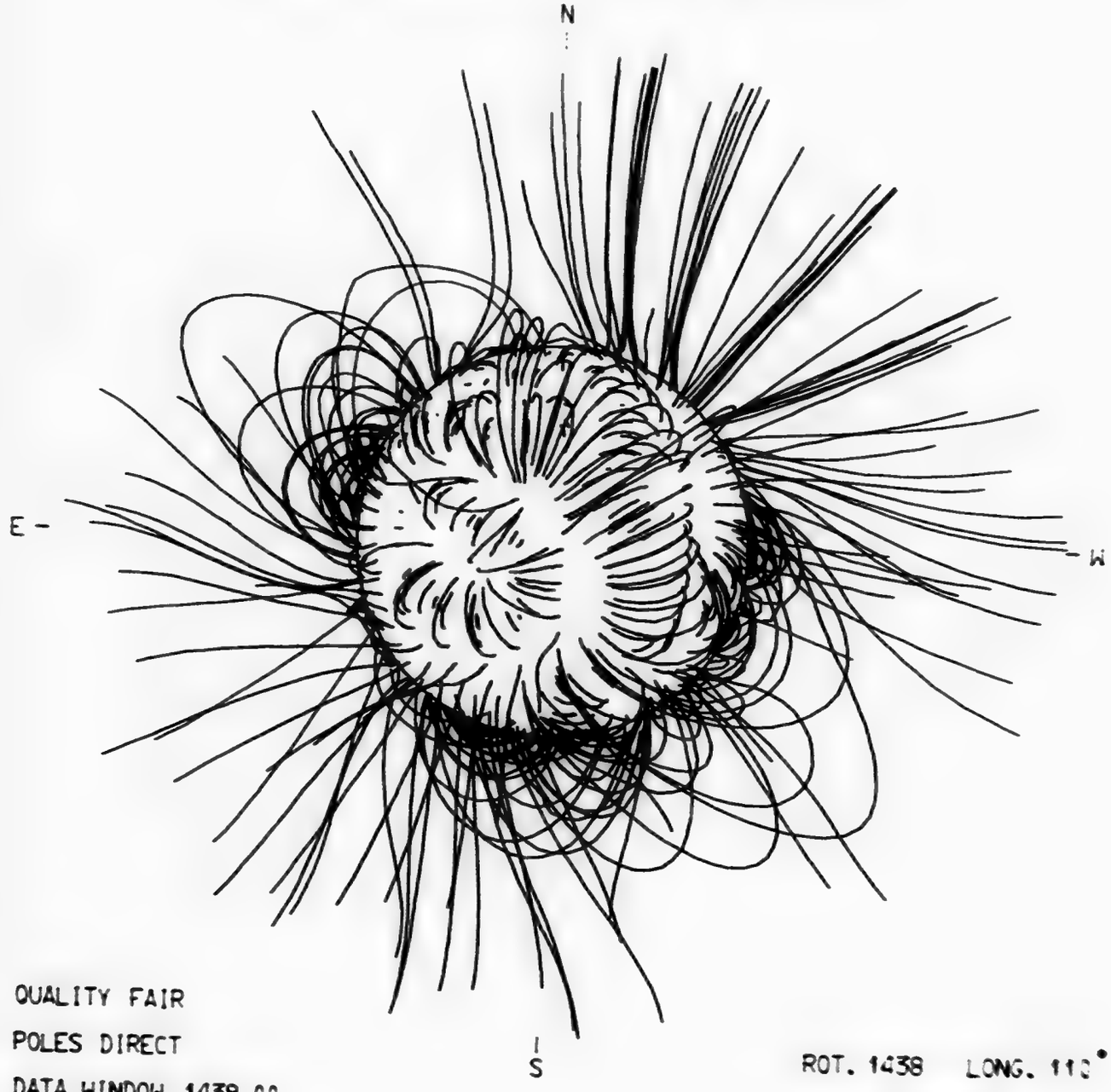
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 120°

21.8 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1438.00

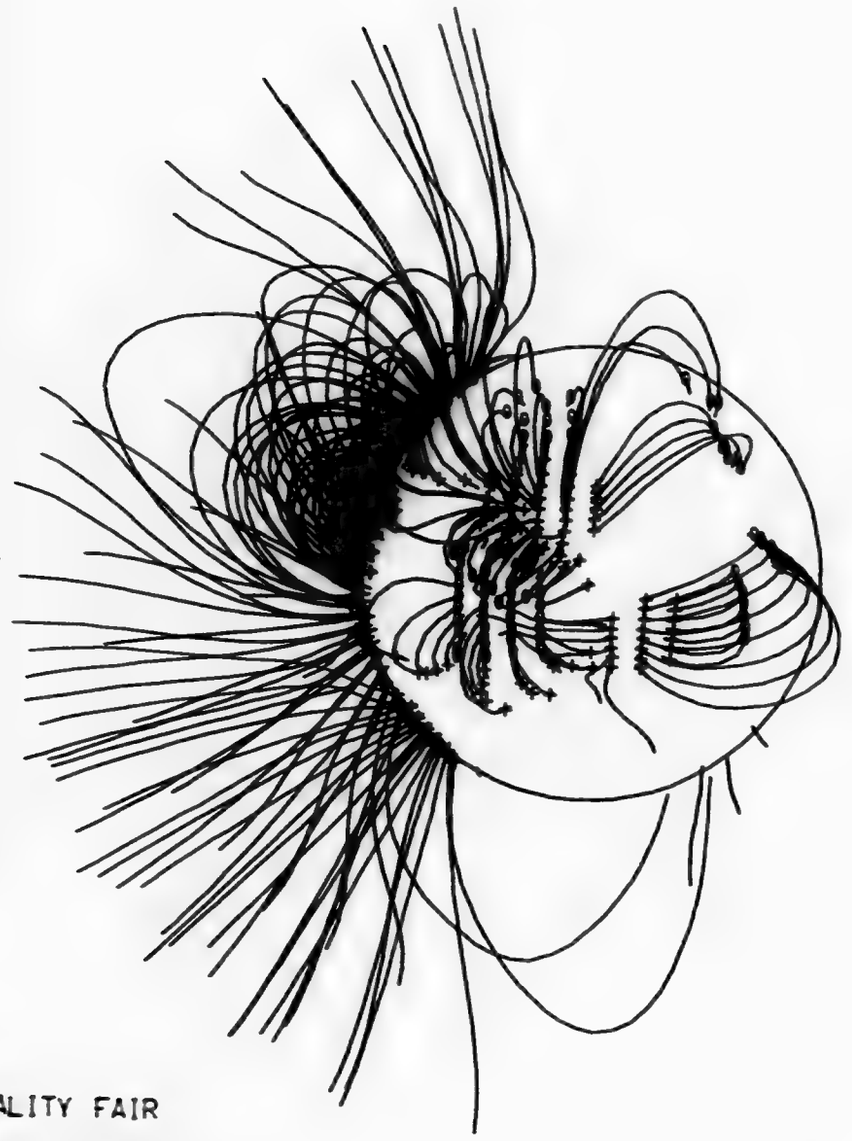
ROT. 1438 LONG. 11°

22.5 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

QUALITY FAIR

POLES DIRECT

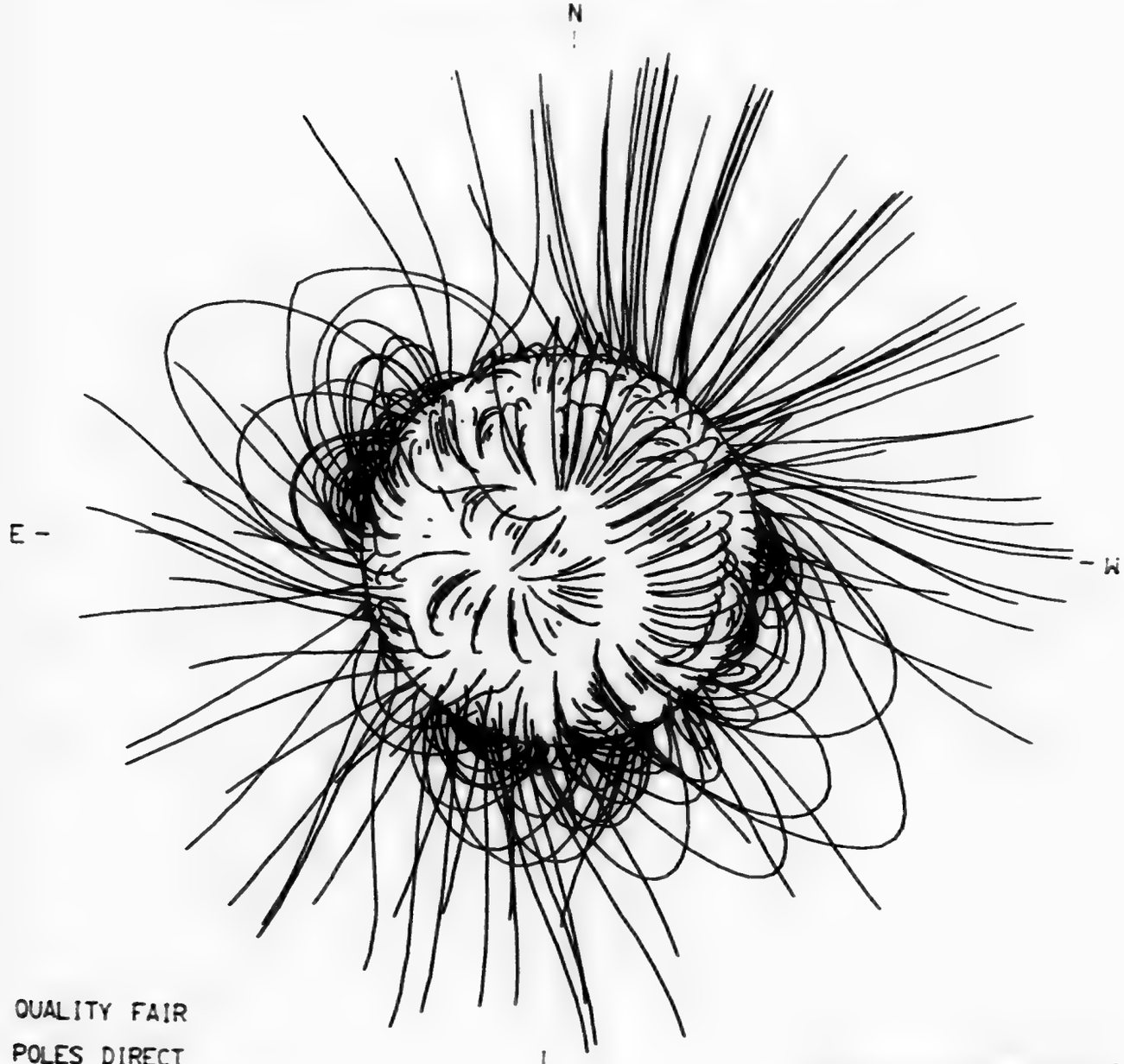
DATA WINDOW 1438.00

S

ROT. 1438 LONG. 11[illegible]°

22.5 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 100°

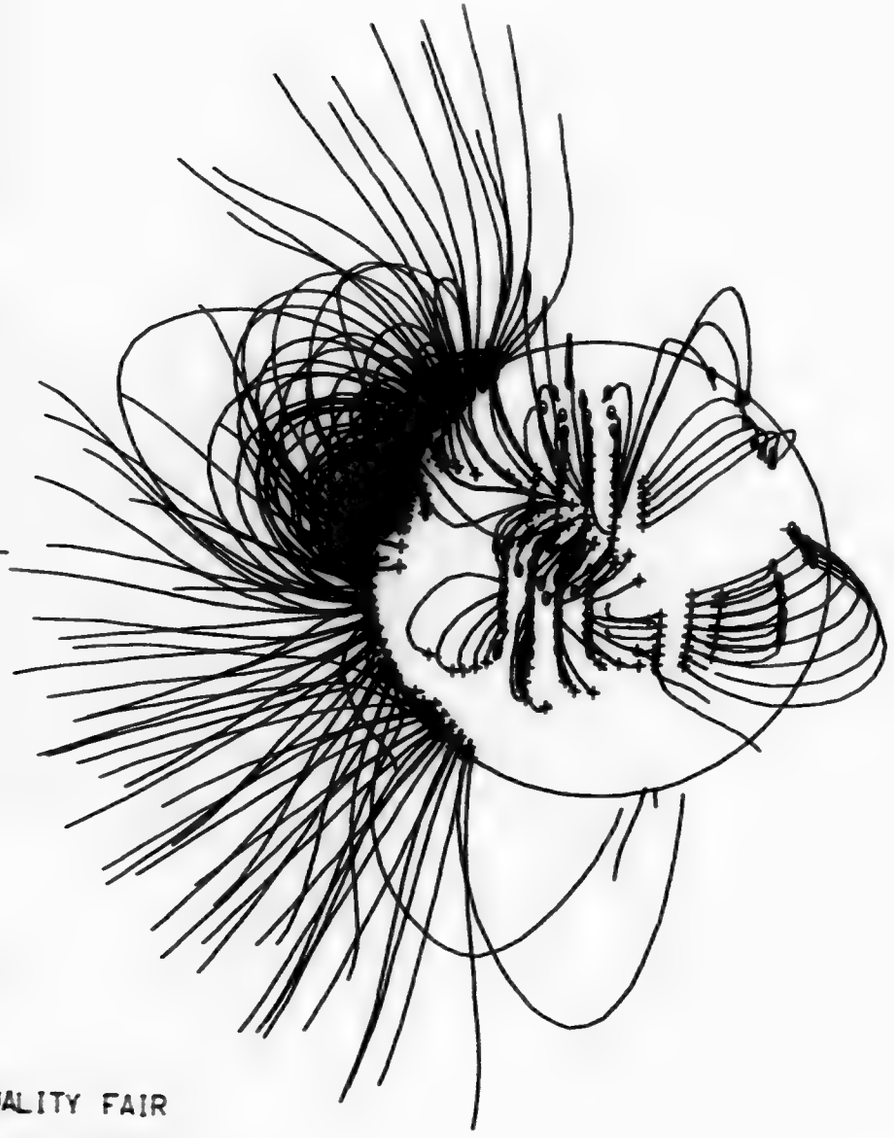
23.3 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E

W



S

QUALITY FAIR

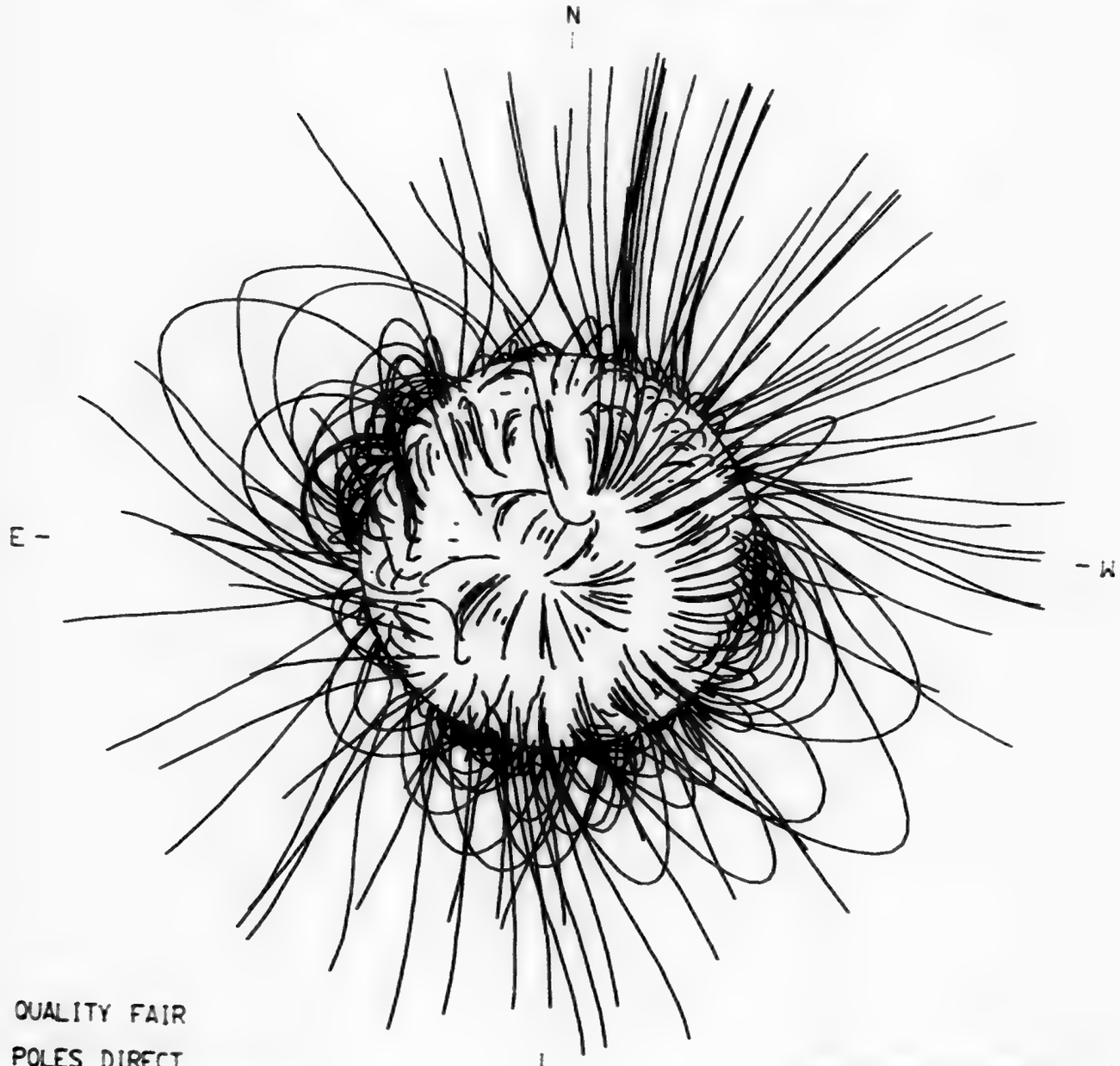
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 100°

23.3 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1438.00

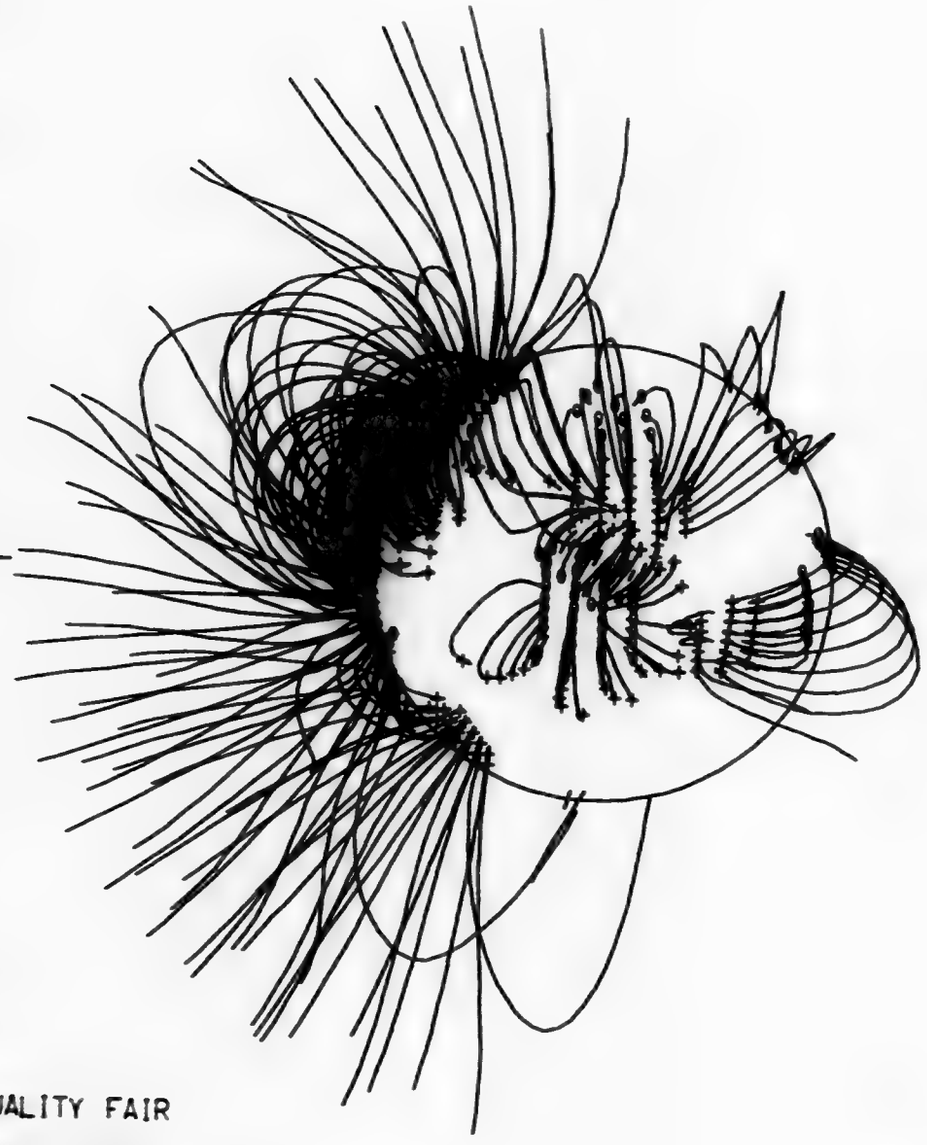
ROT. 1438 LONG. 90°

24.1 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY FAIR

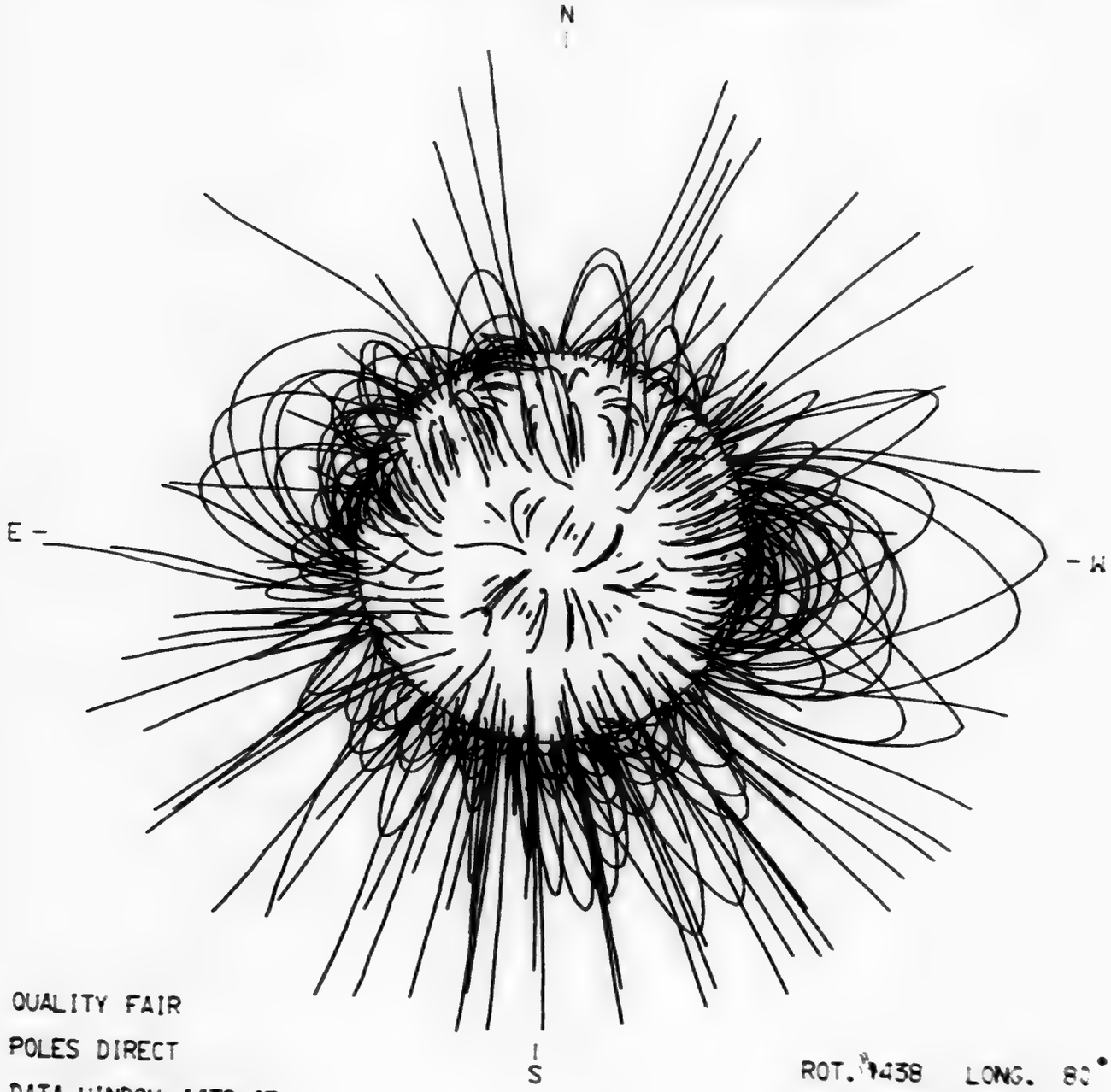
POLES DIRECT

DATA WINDOW 1438.00

ROT. 1438 LONG. 90°

24.1 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

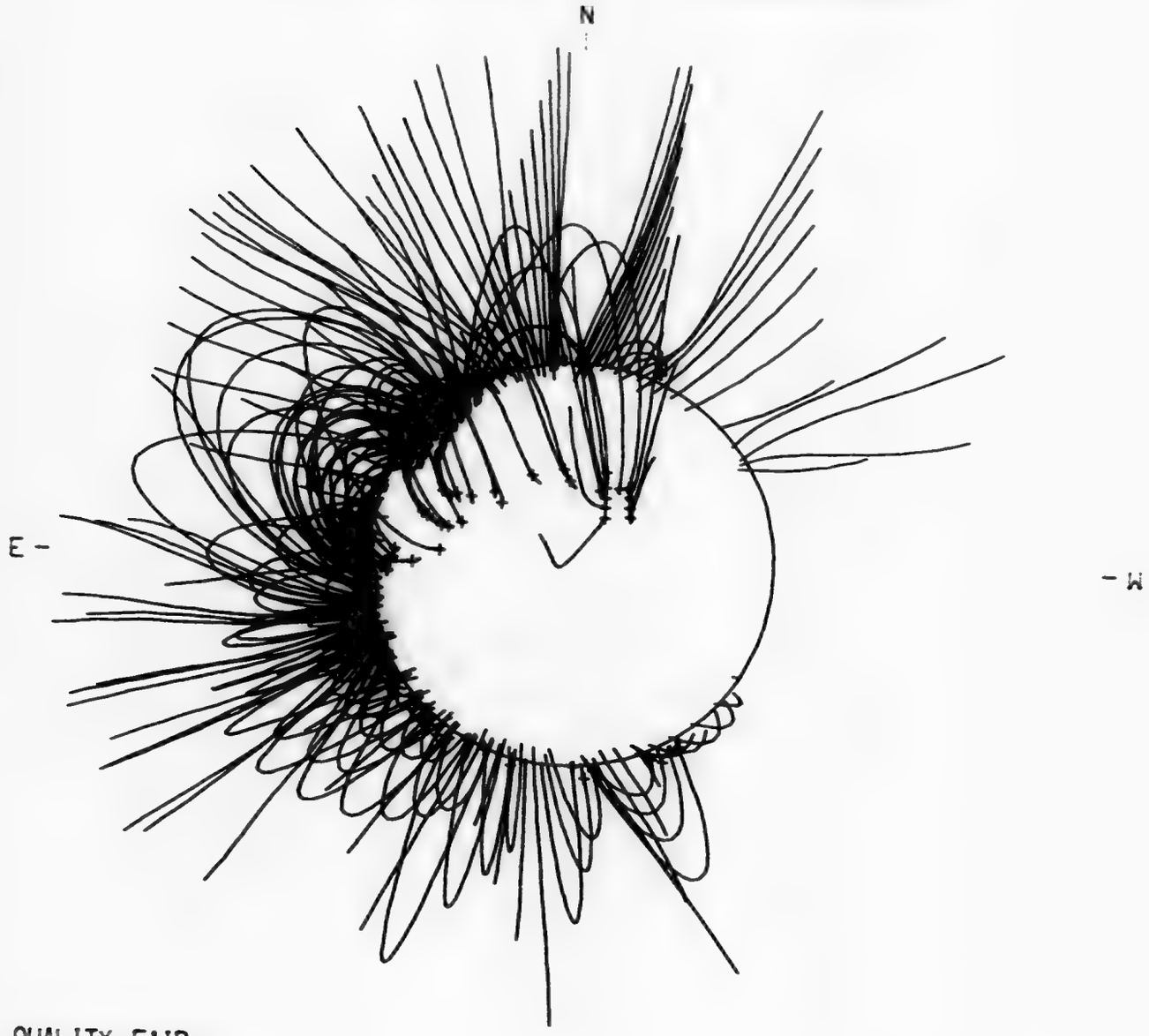
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1438 LONG. 80°

24.8 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

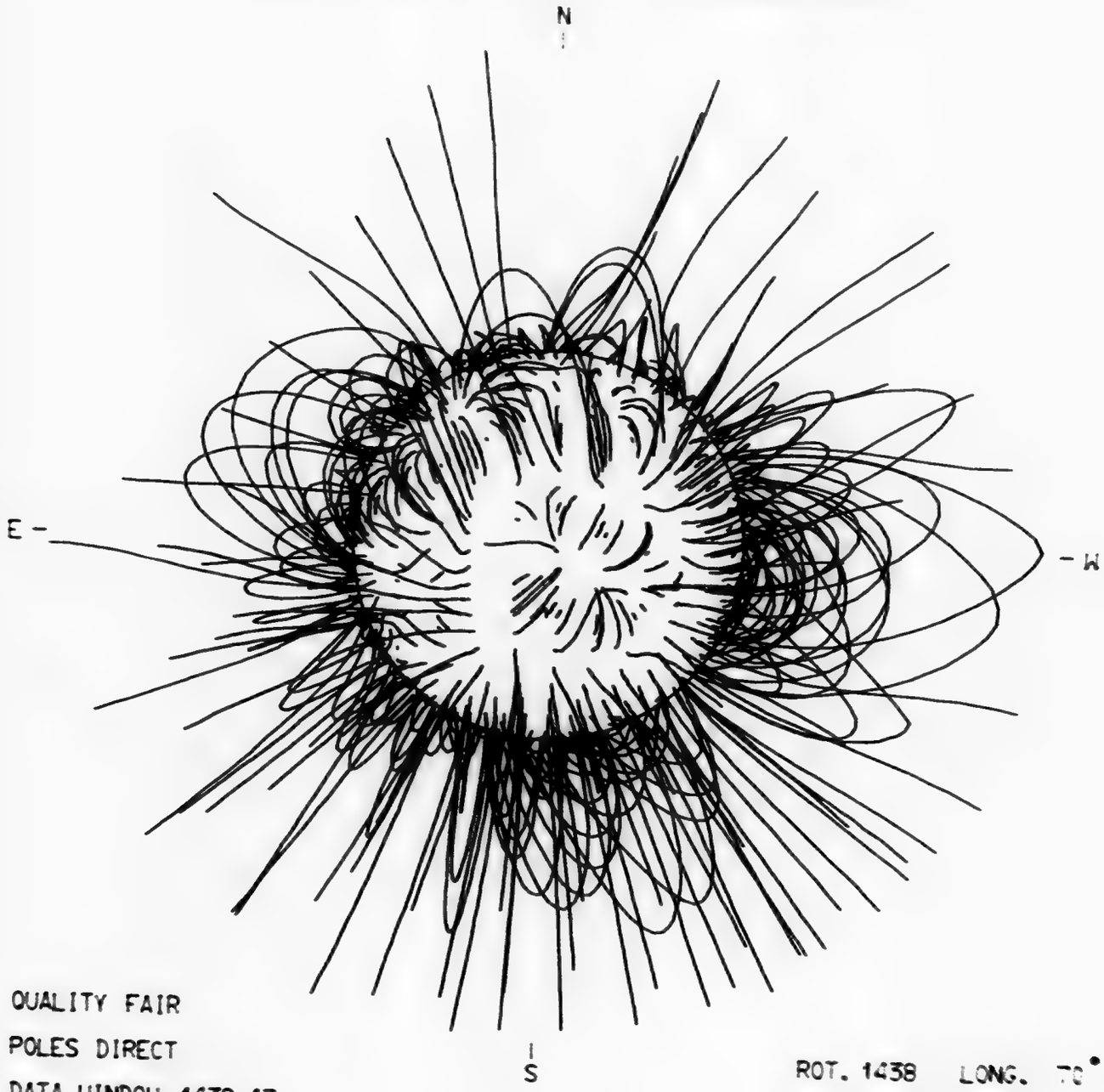
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1438 LONG. 8[illegible]°

24.8 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

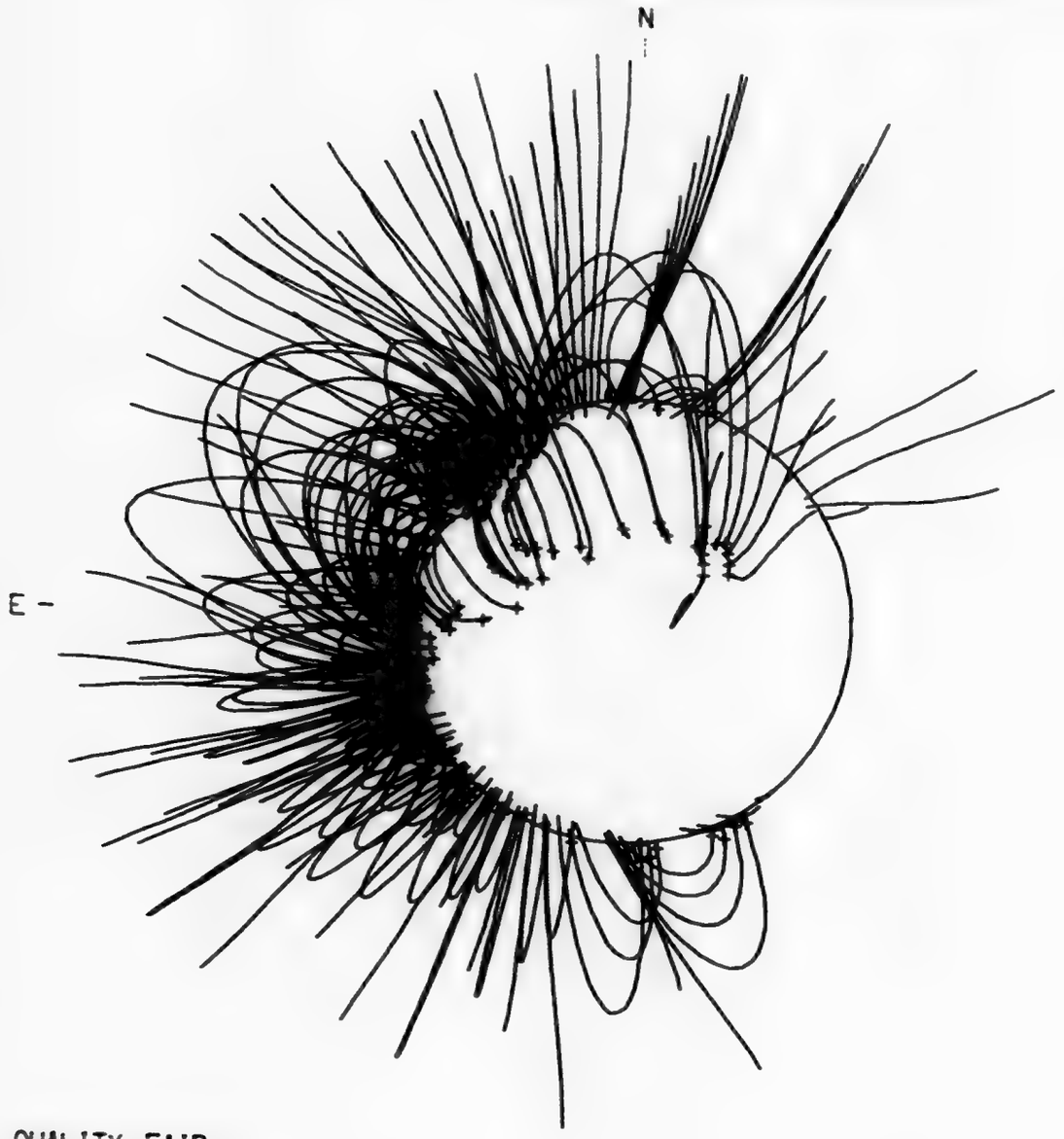
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1438 LONG. 70°

25.6 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

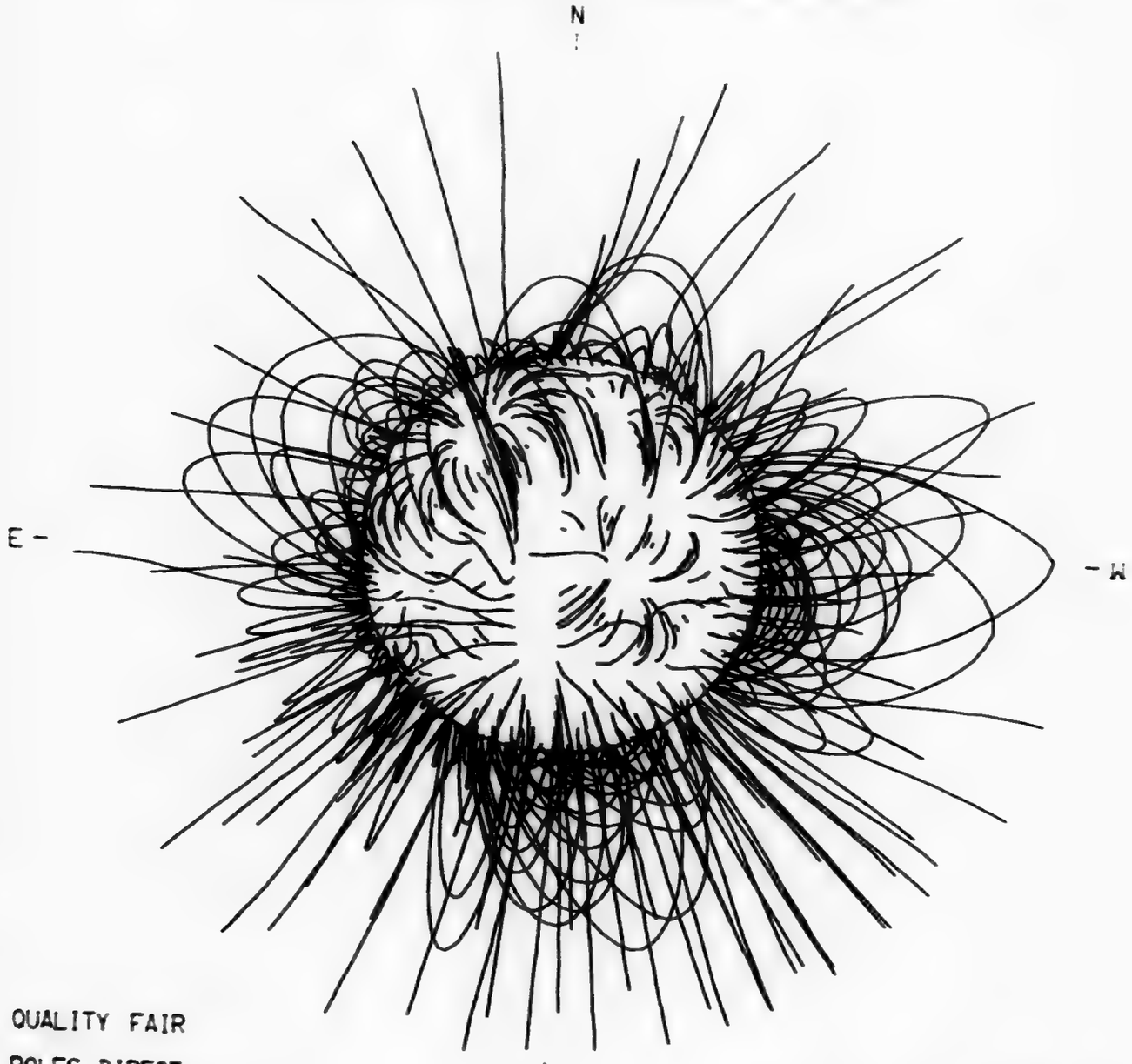
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1438 LONG. 70°

25.6 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

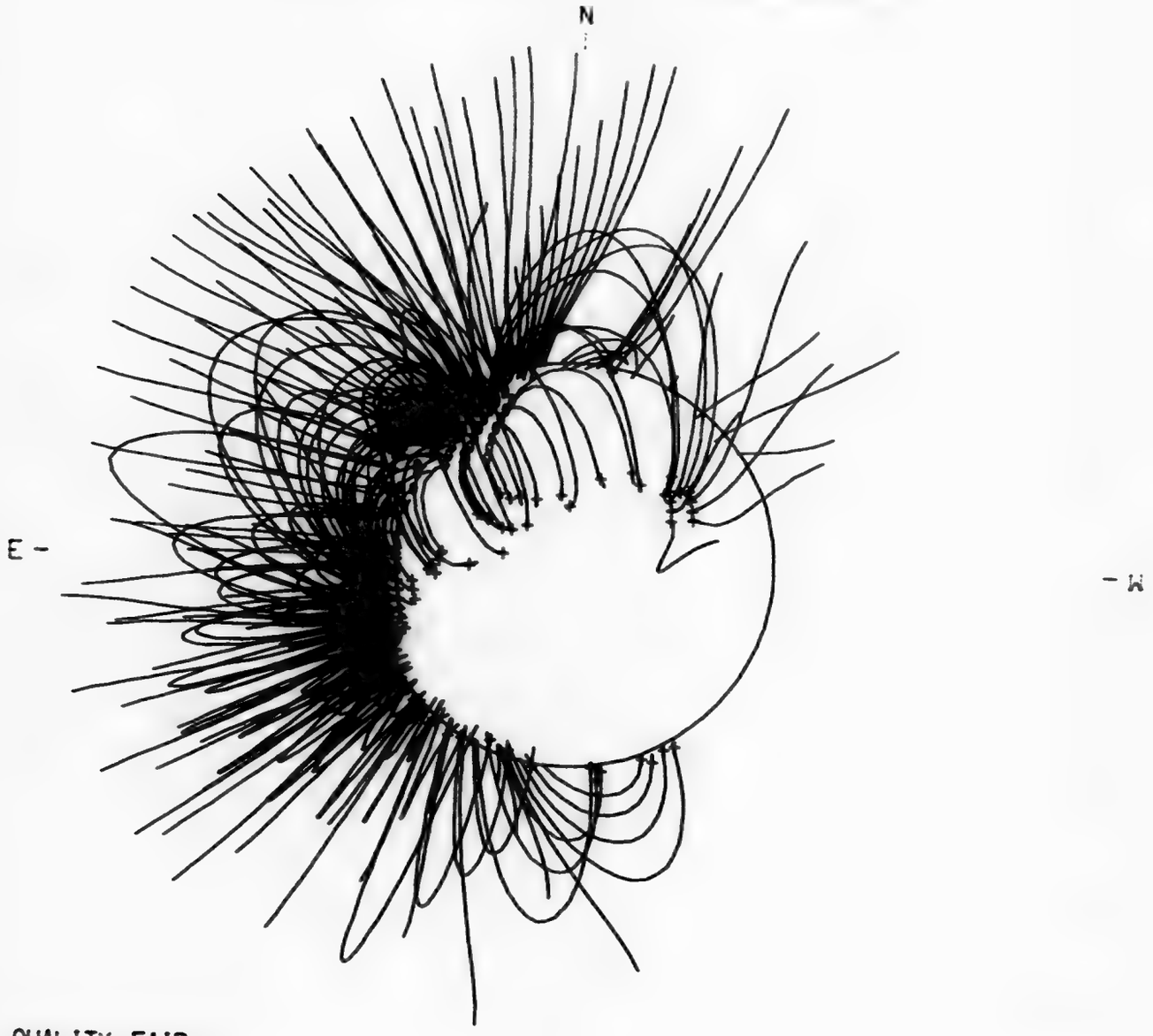
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1438 LONG. 60°

26.3 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

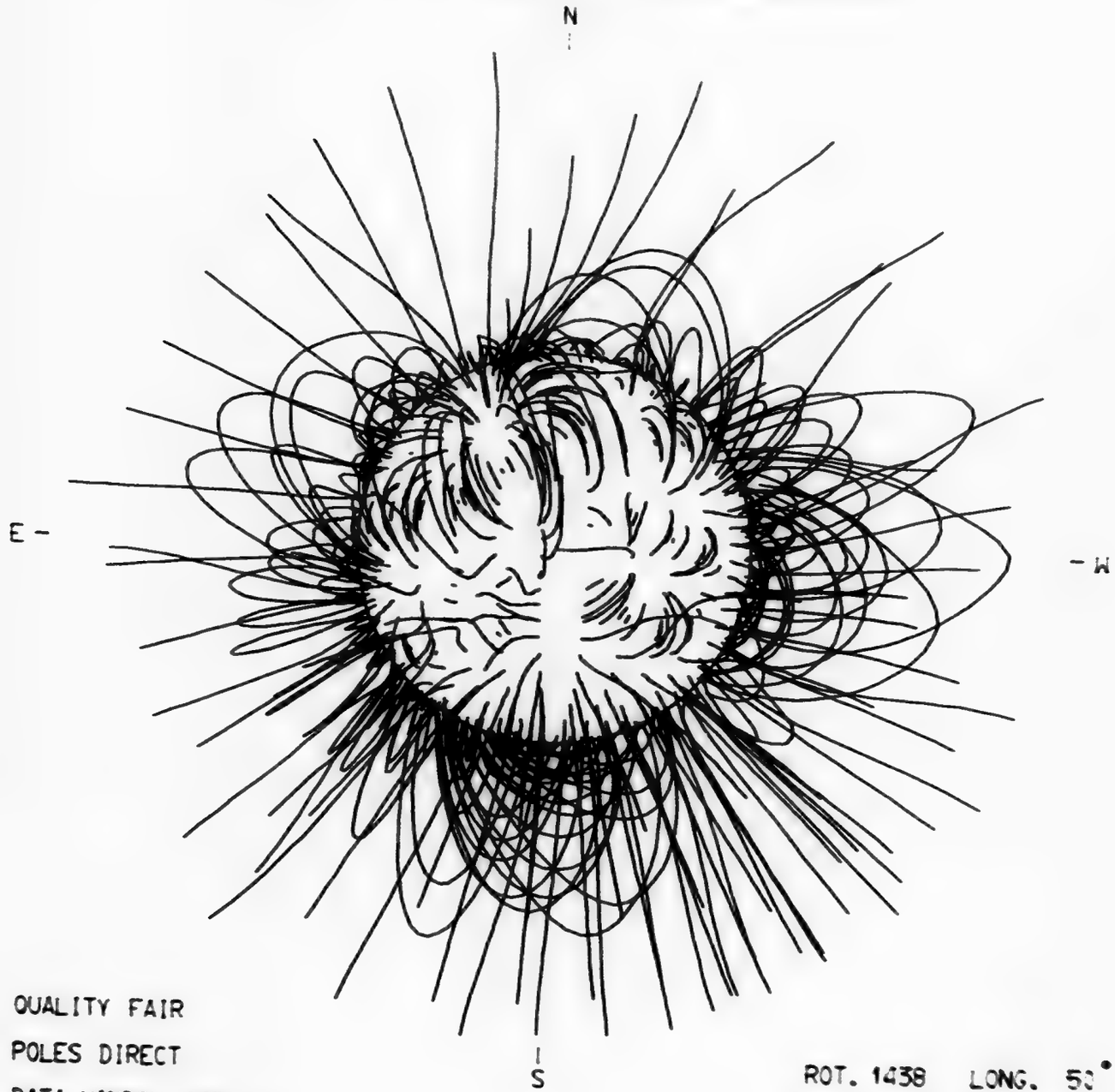
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1438 LONG. 62°

26.3 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

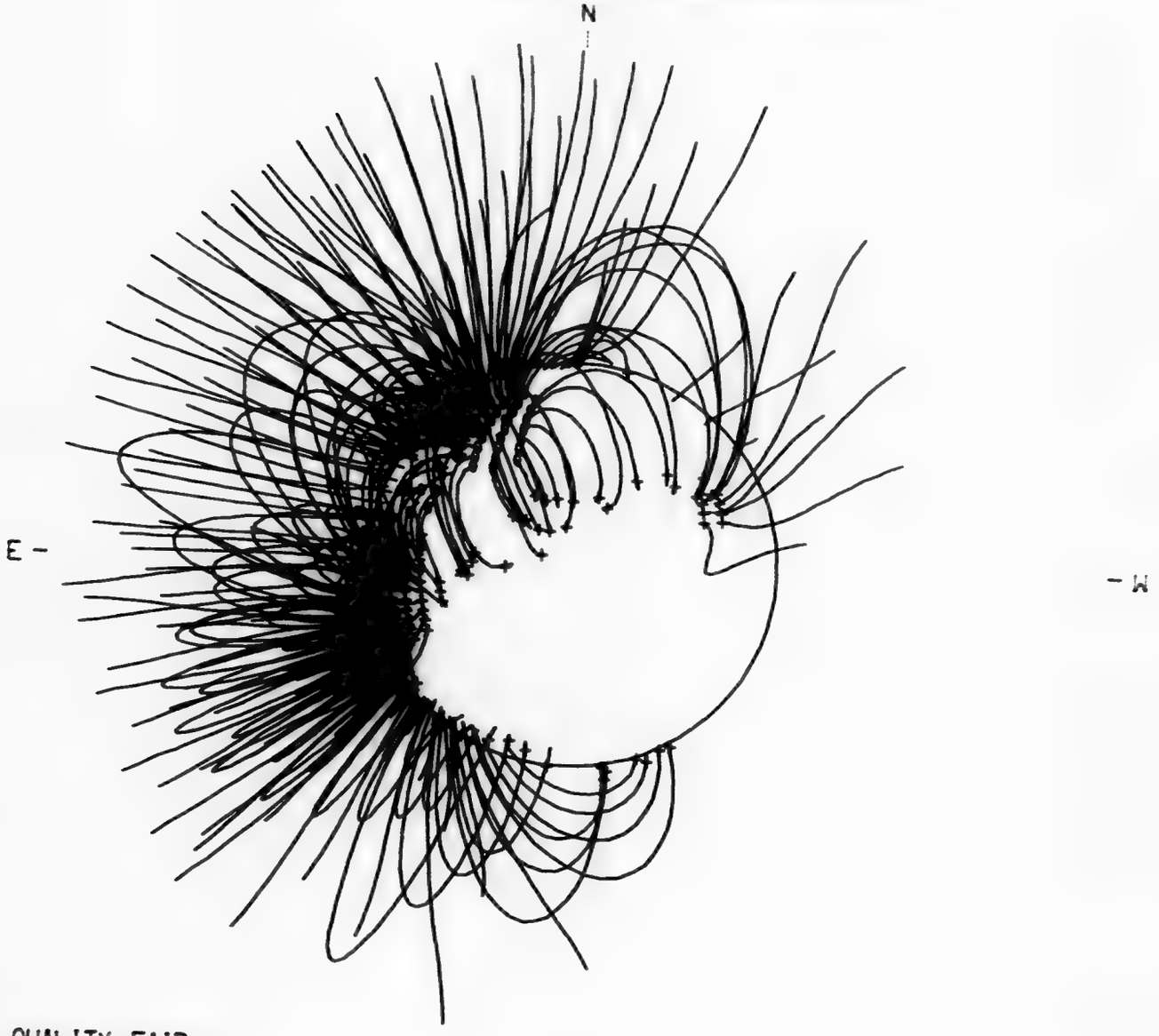
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1438 LONG. 53°

27.1 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

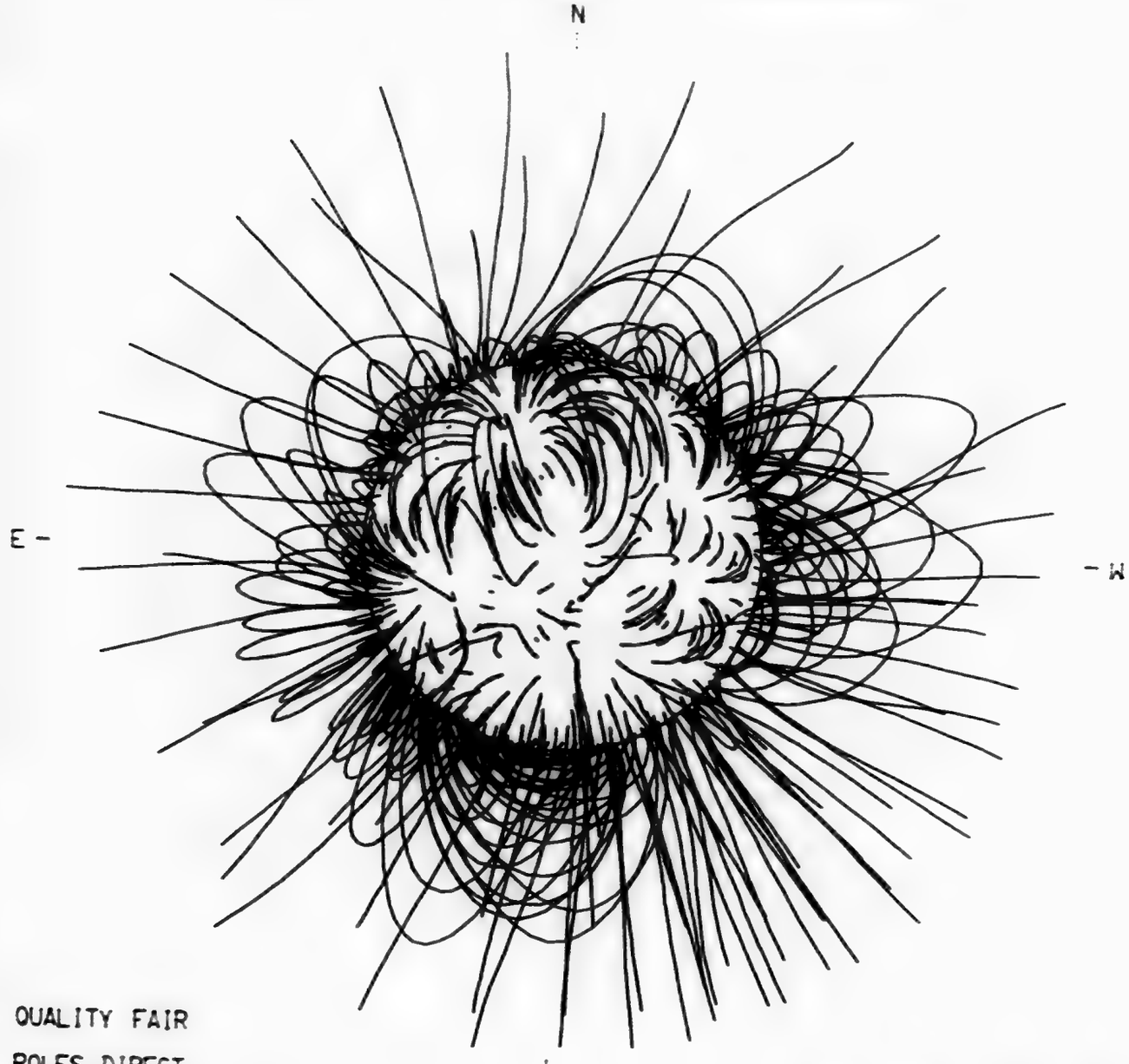
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1438 LONG. 5[illegible]°

27.1 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

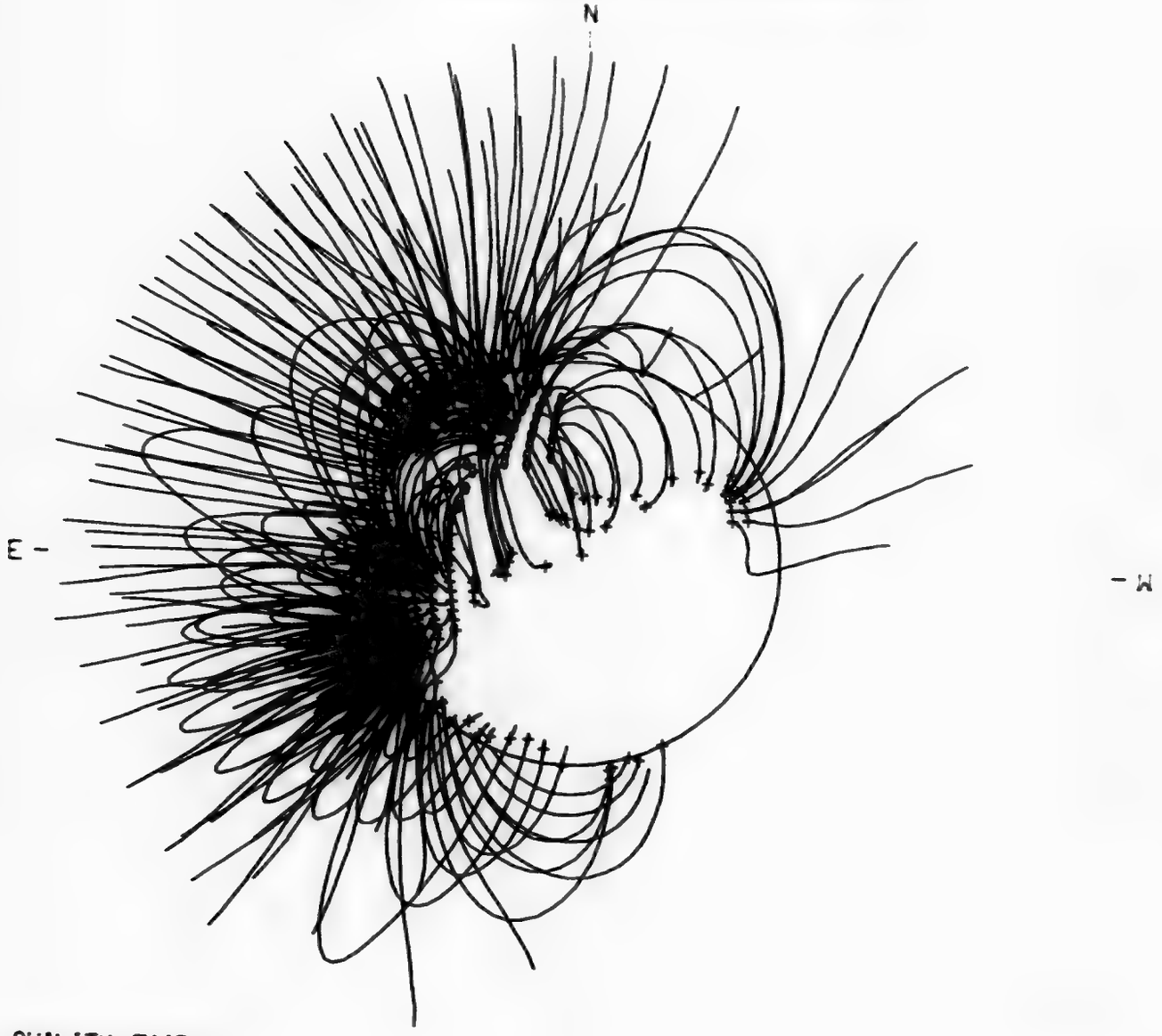
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1438 LONG. 42°

27.9 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

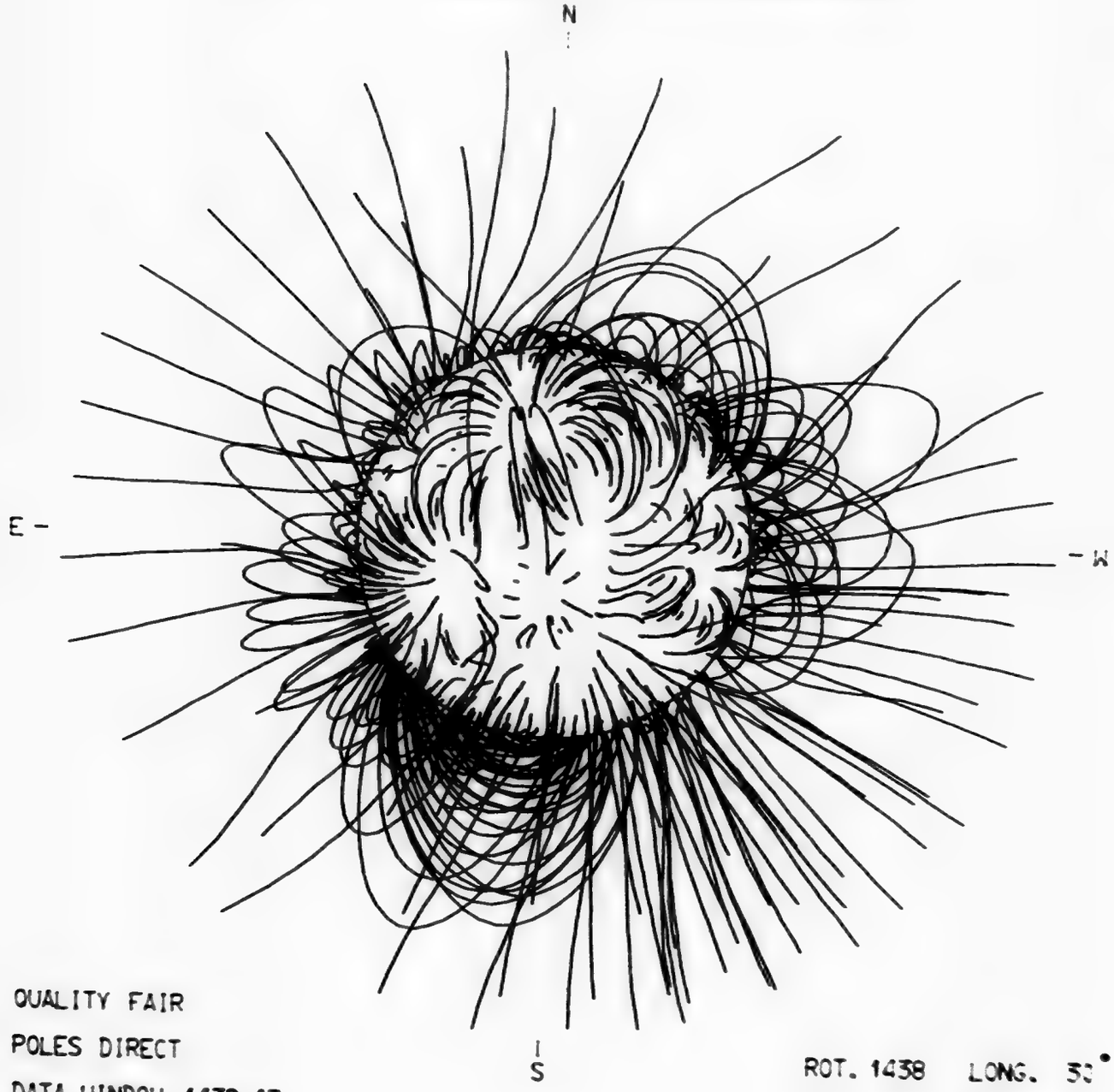
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1438 LONG. 22°

27.9 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

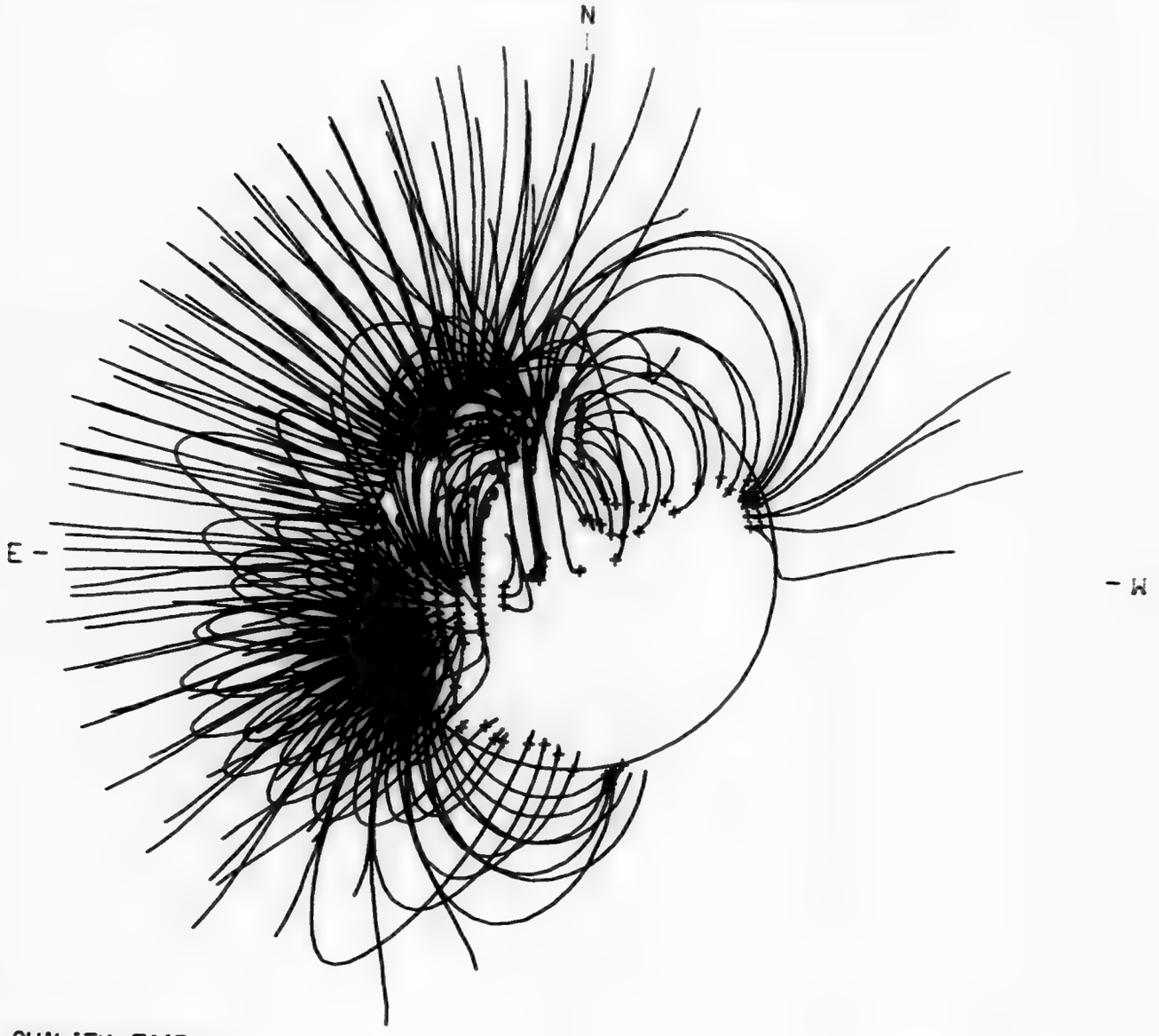
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1438 LONG. 33°

28.6 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

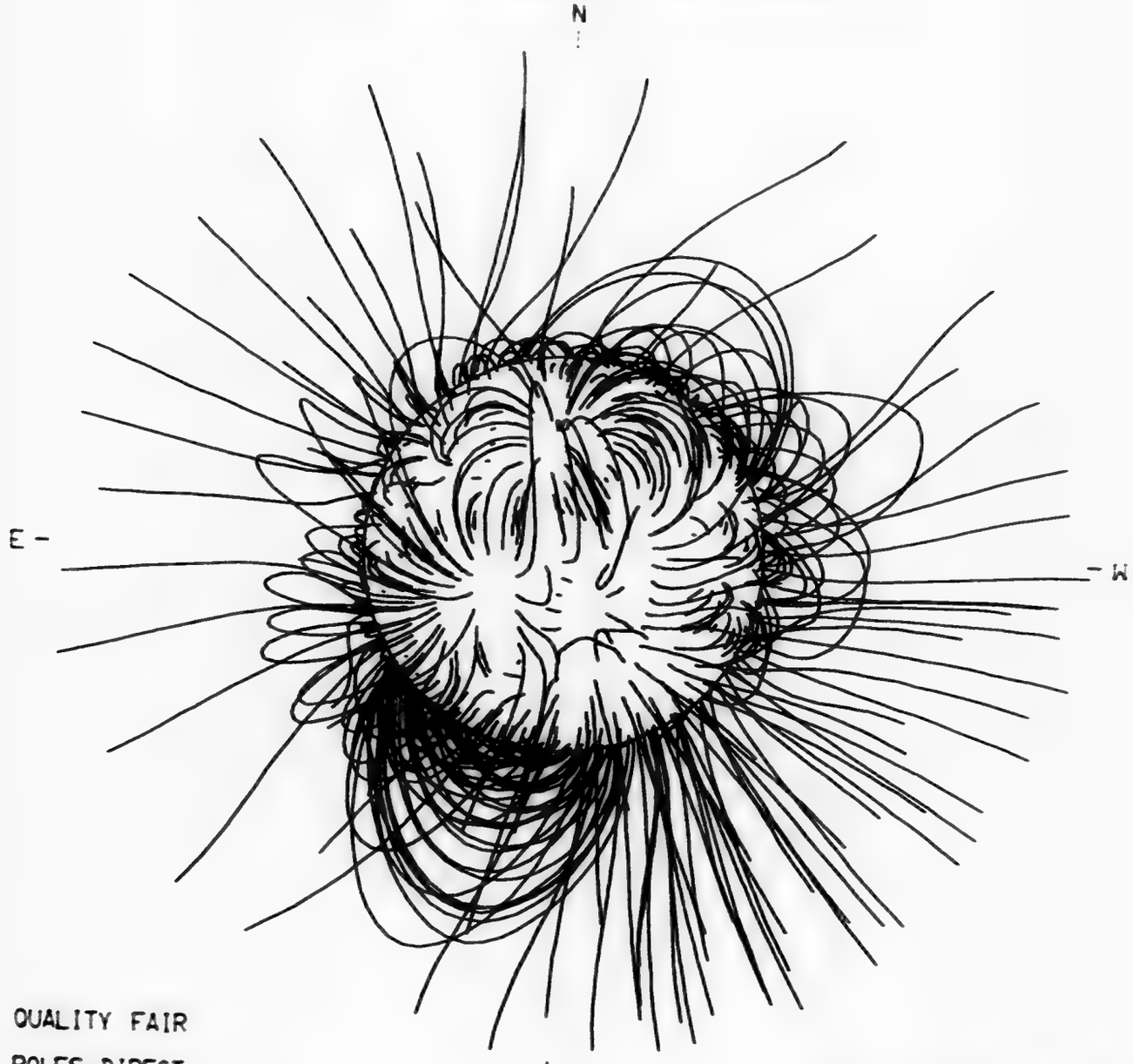
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1438 LONG. 30°

28.6 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

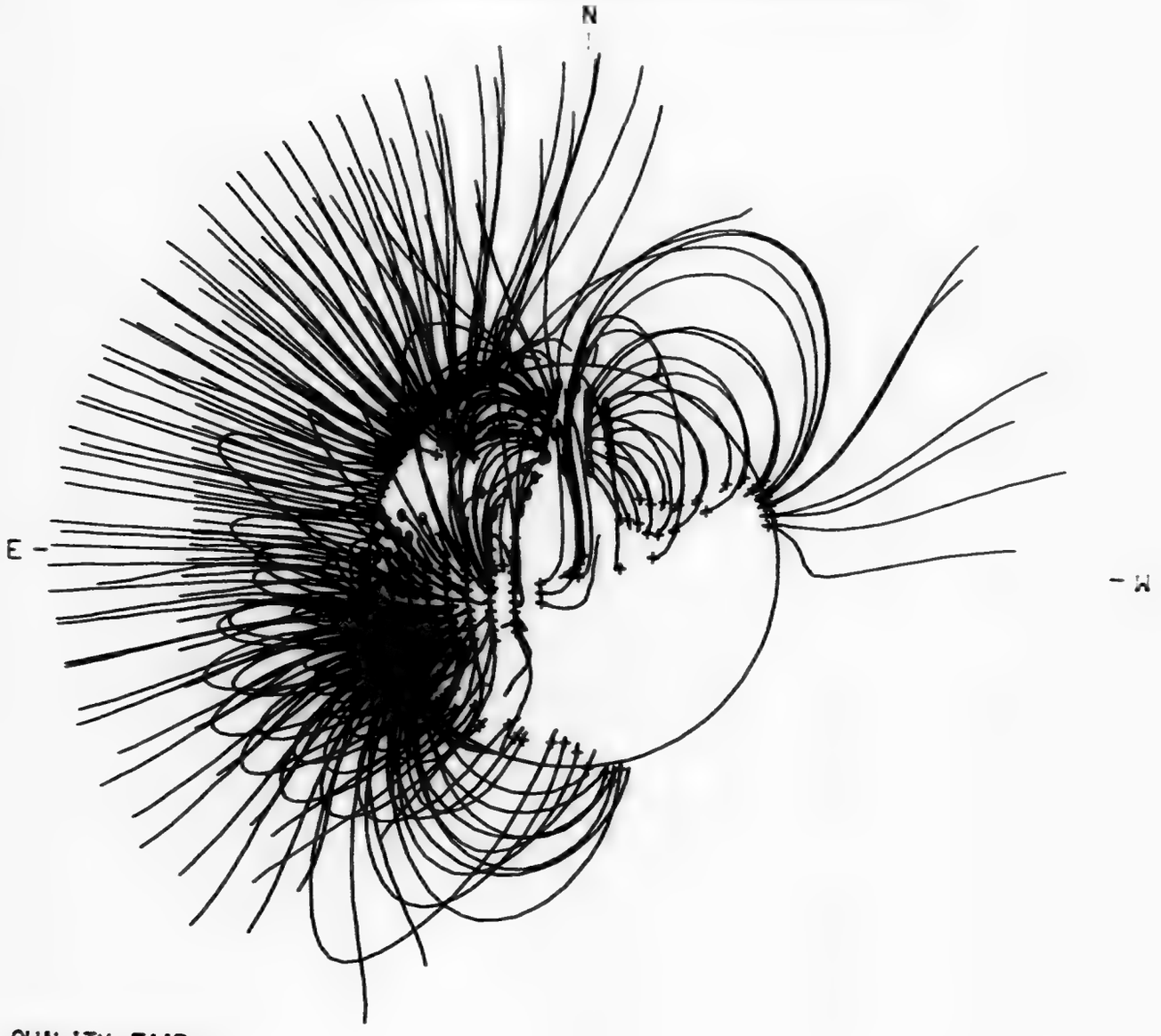
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1438 LONG. 20°

29.4 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

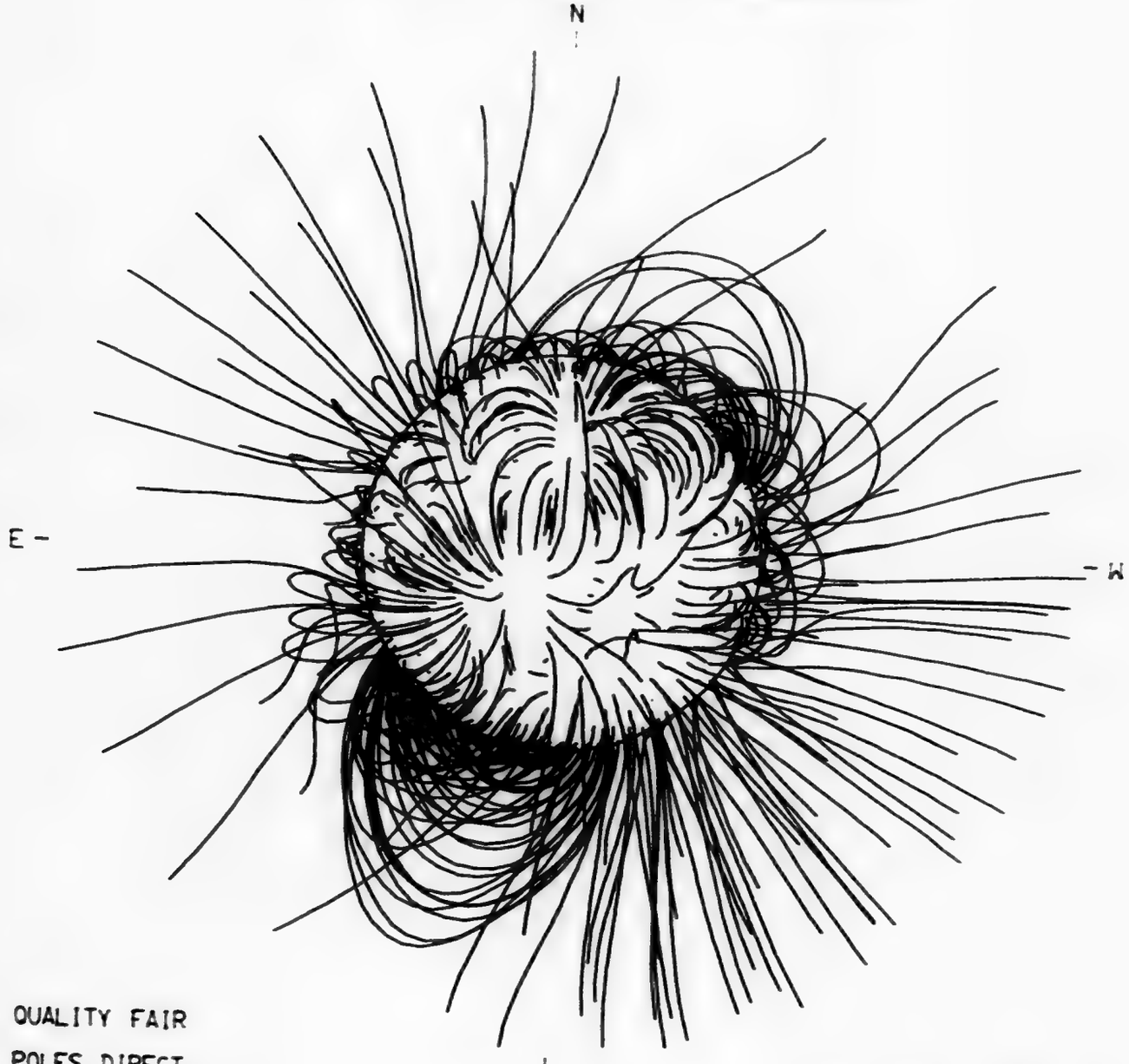
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1438 LONG. 20°

29.4 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

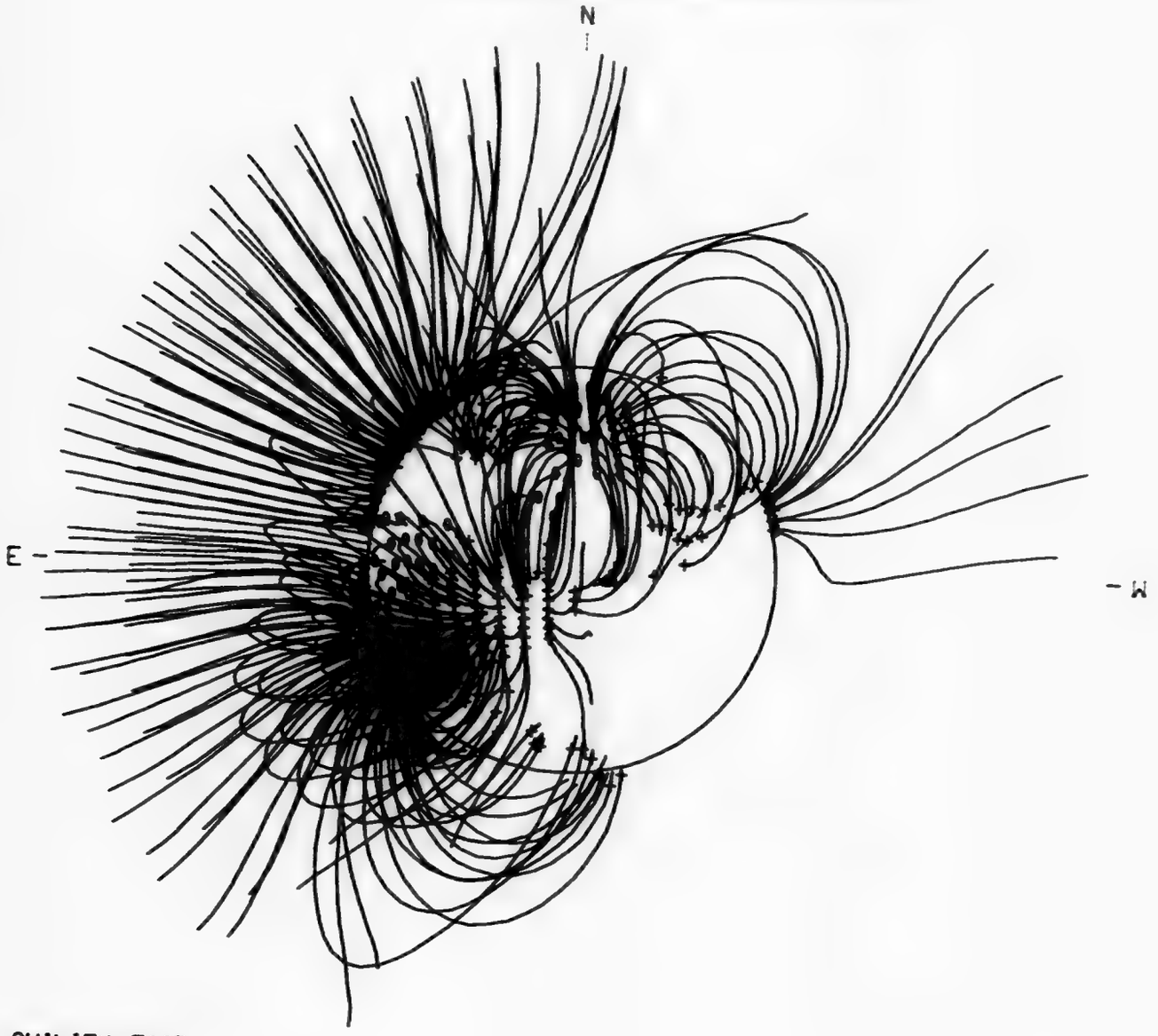
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1438 LONG. 18°

30.1 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

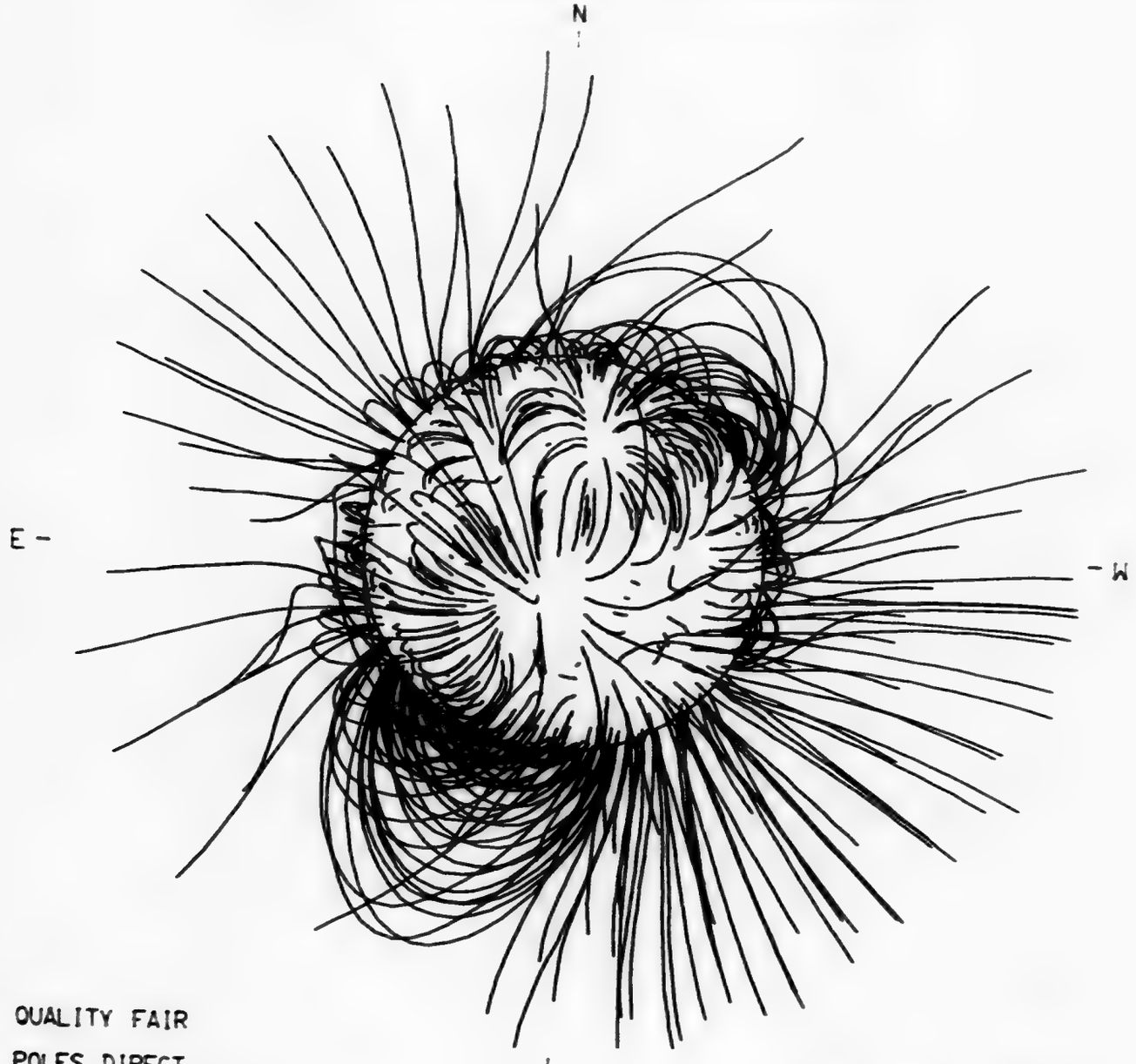
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1438 LONG. 10°

30.1 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

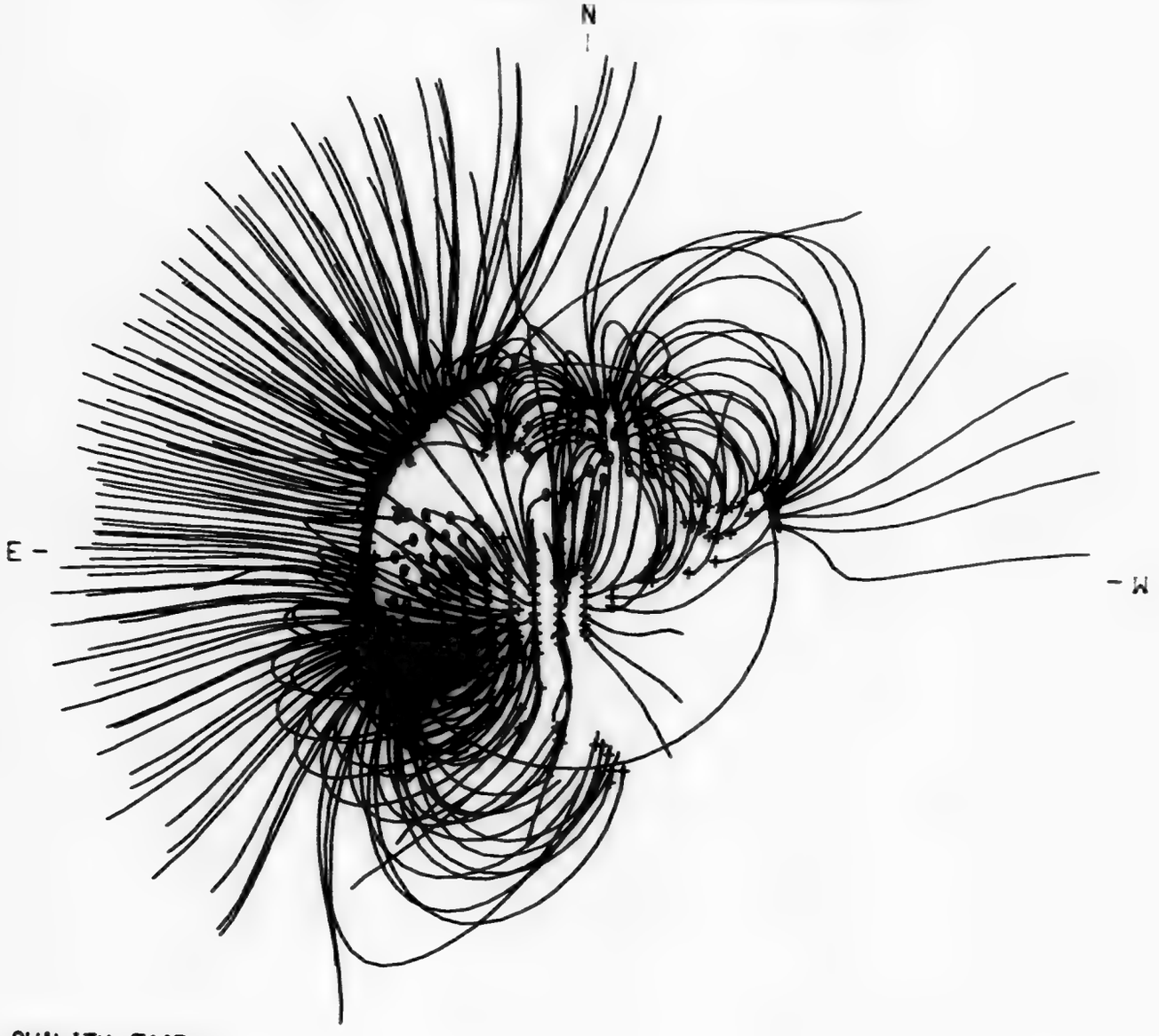
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1438 LONG. 0°

30.9 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

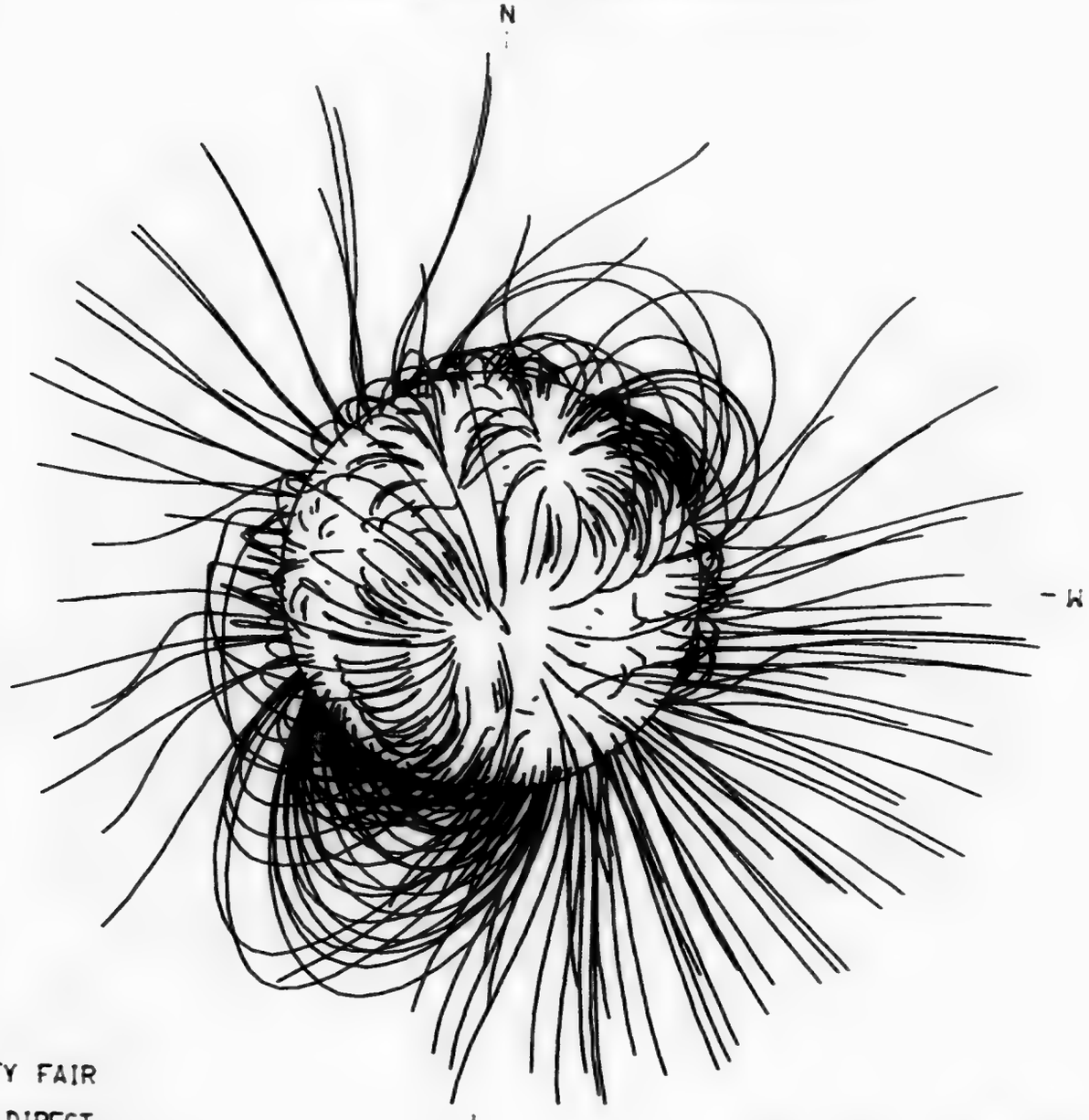
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1438 LONG. 0°

30.9 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

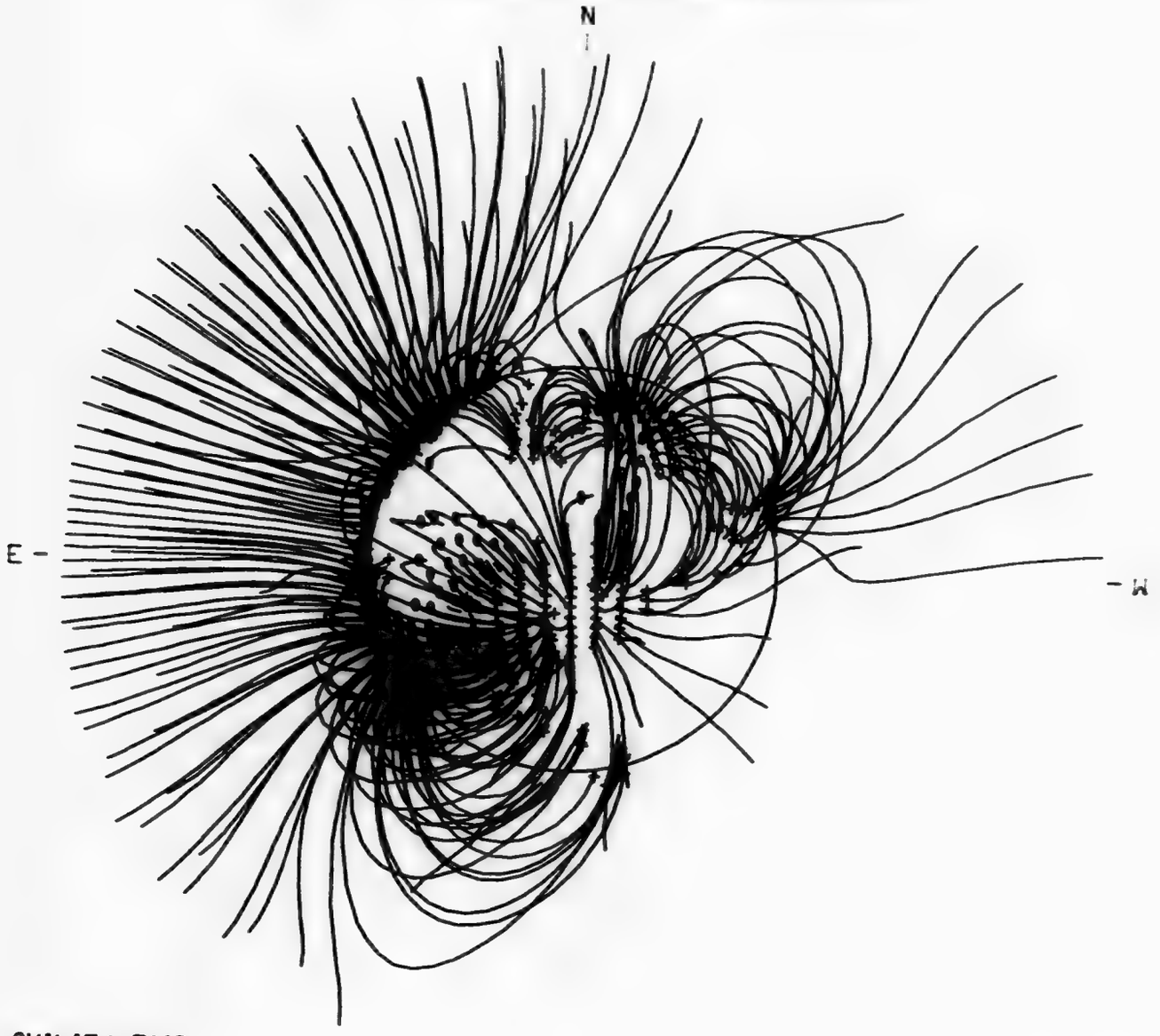
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1439 LONG. 350°

31.6 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

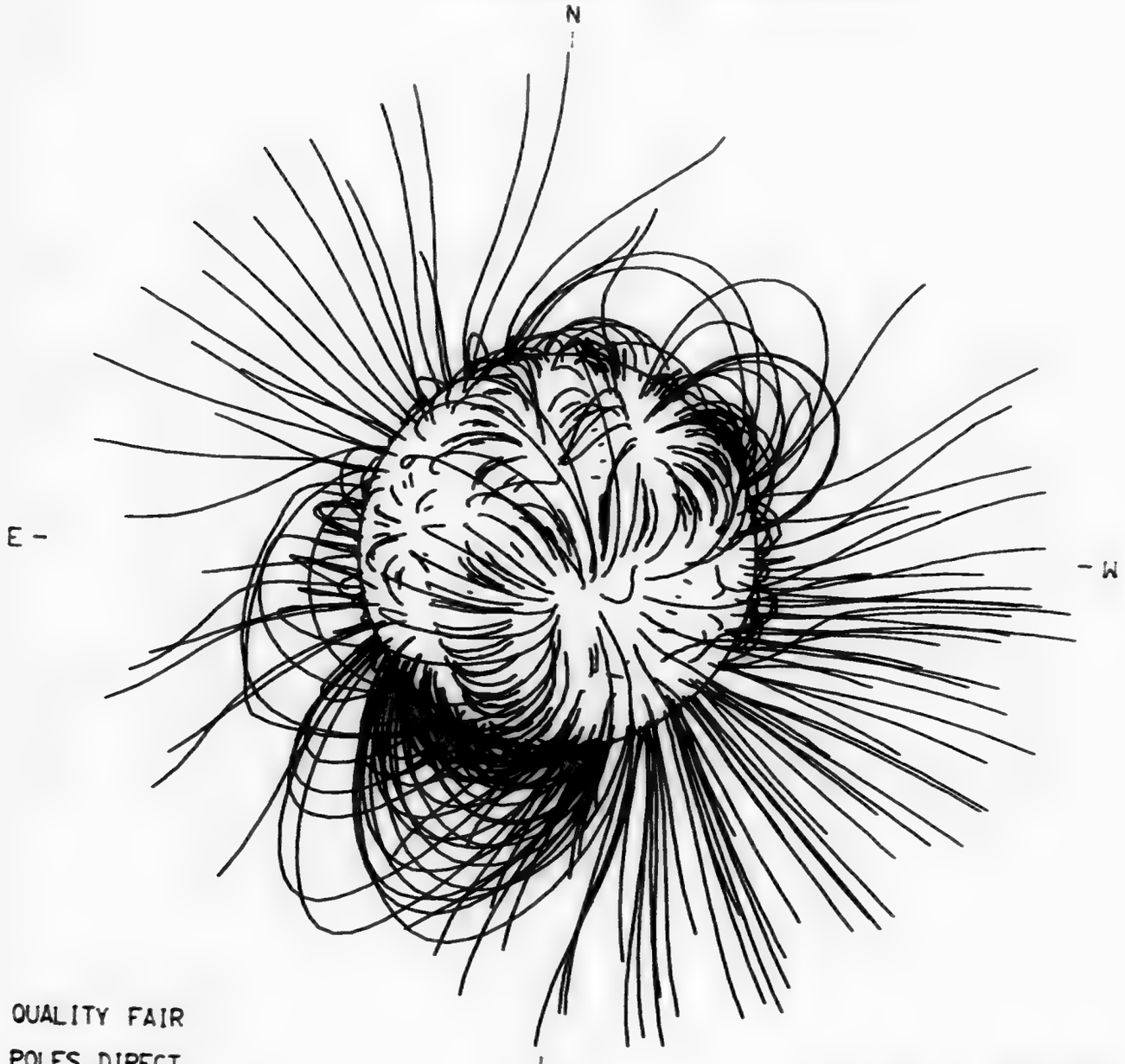
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1439 LONG. 350°

31.6 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

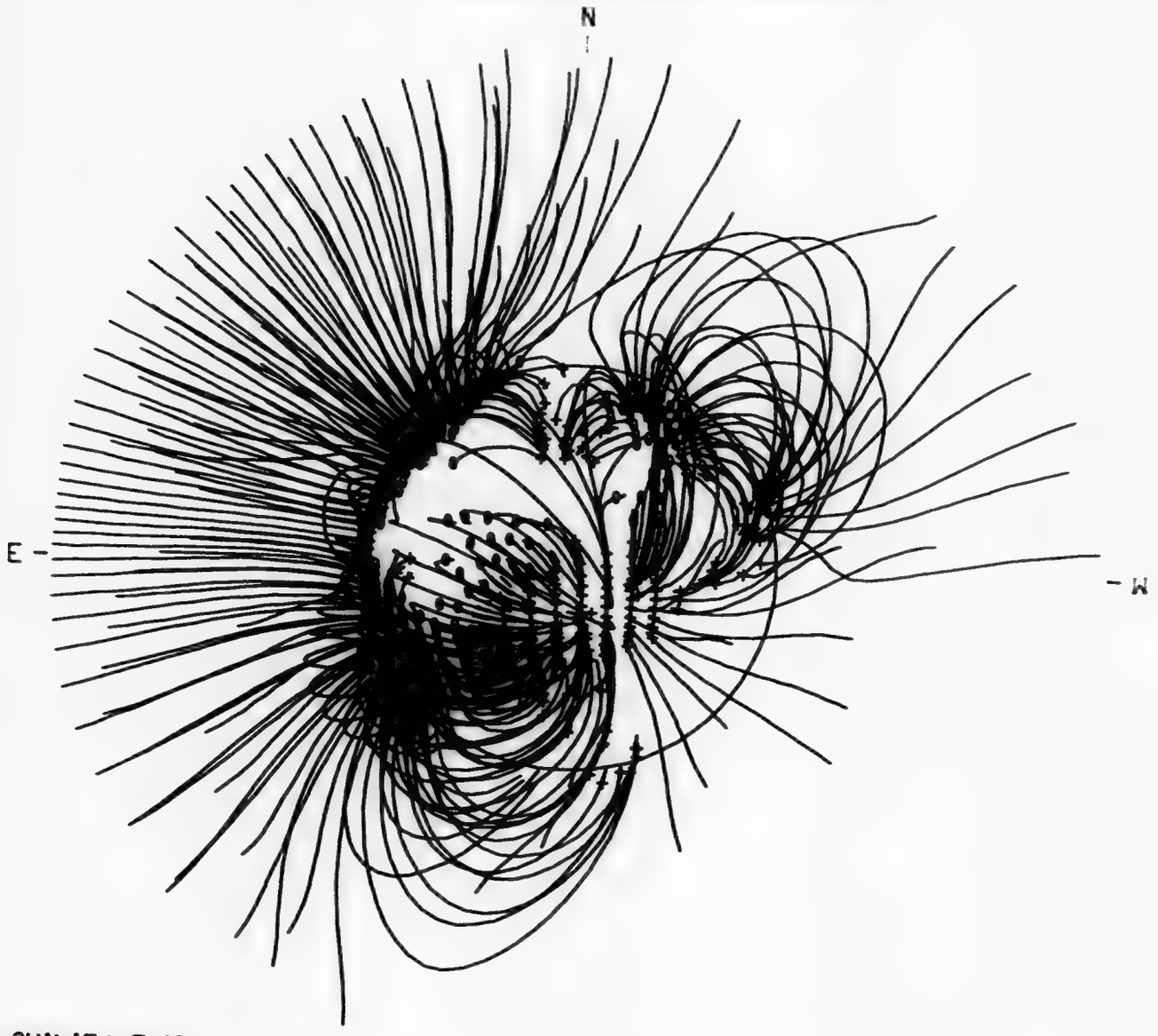
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1439 LONG. 320°

14 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

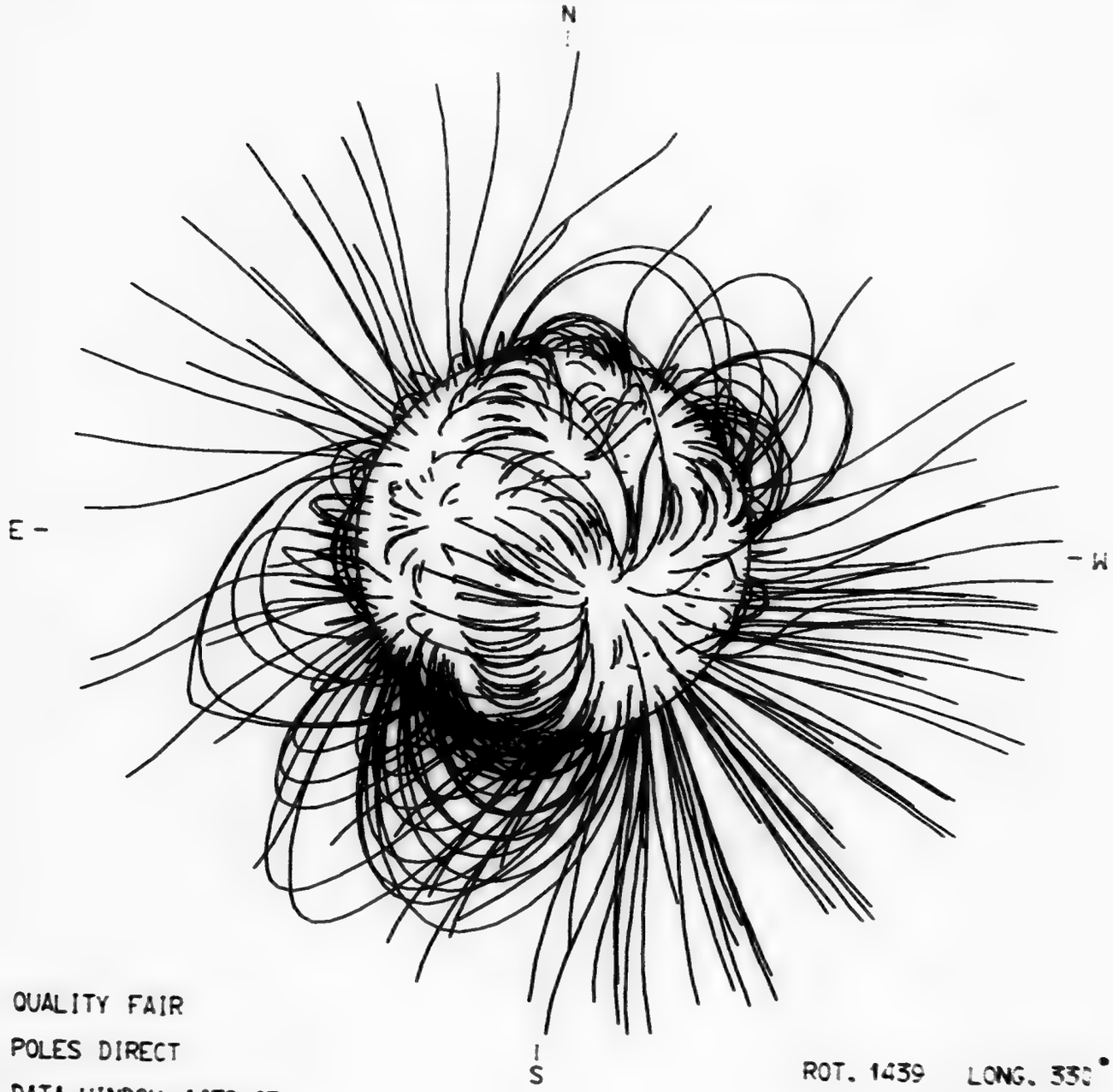
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1439 LONG. 320°

14 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

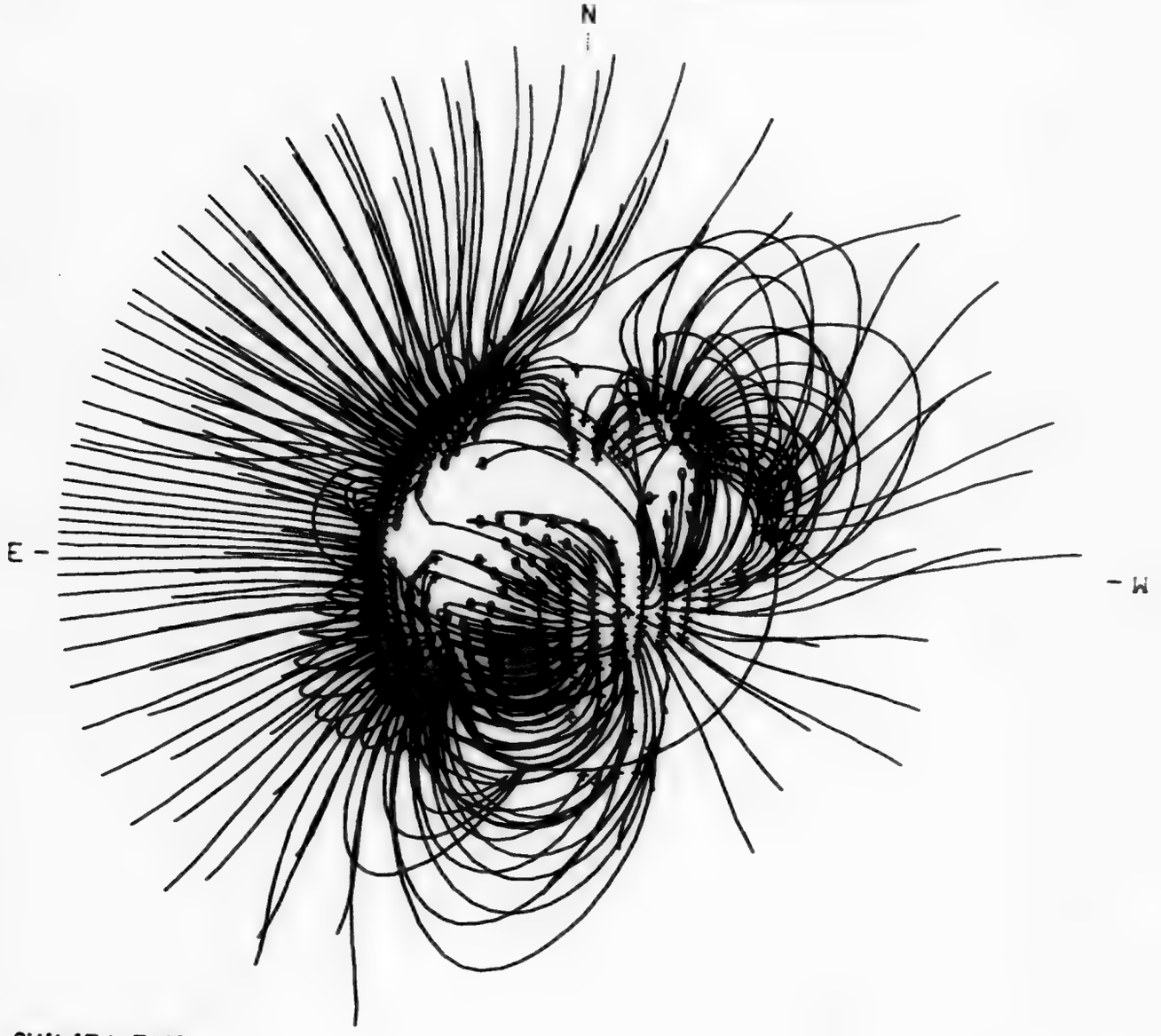
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1439 LONG. 330°

2.2 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

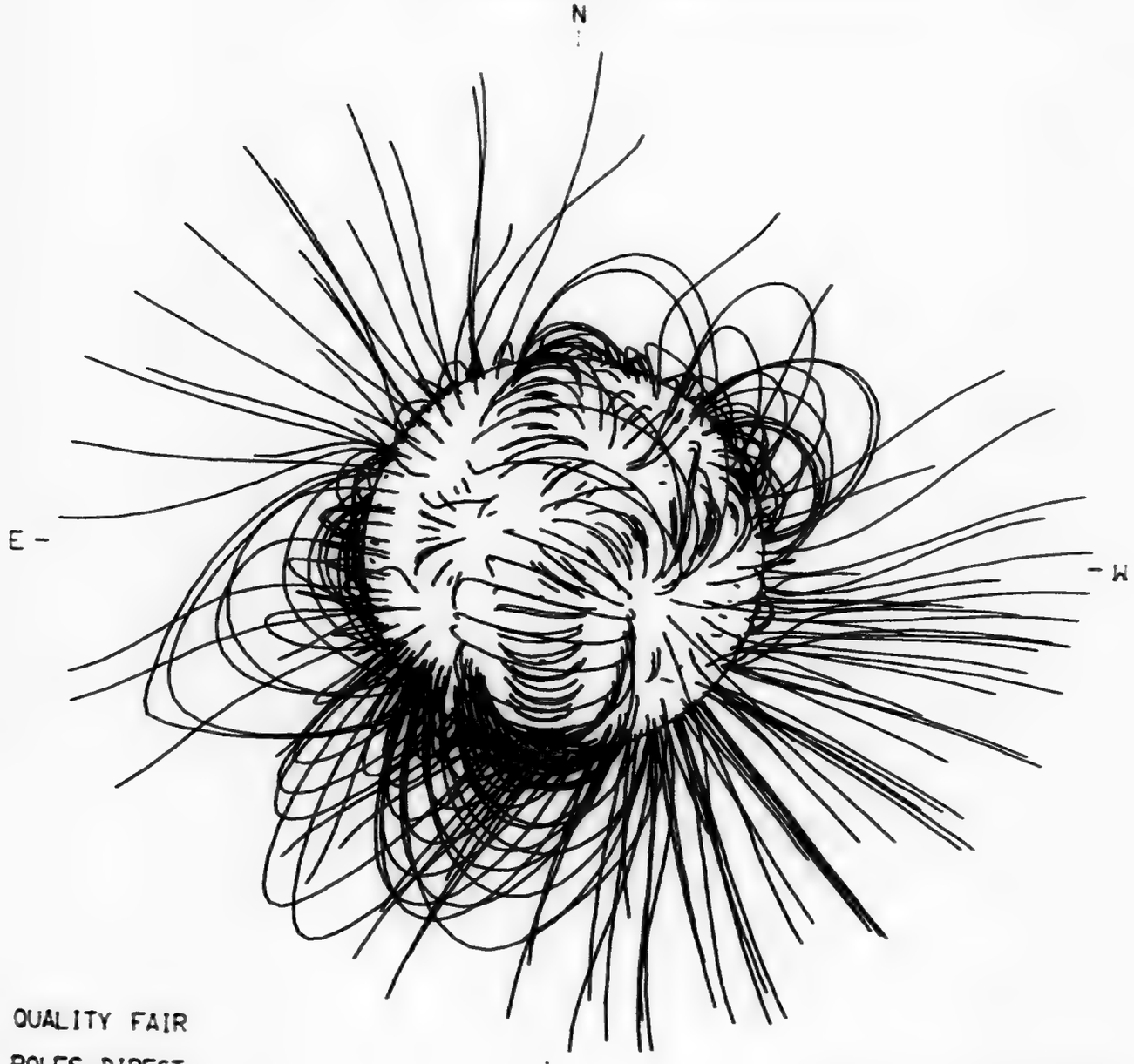
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1439 LONG. 330°

22 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

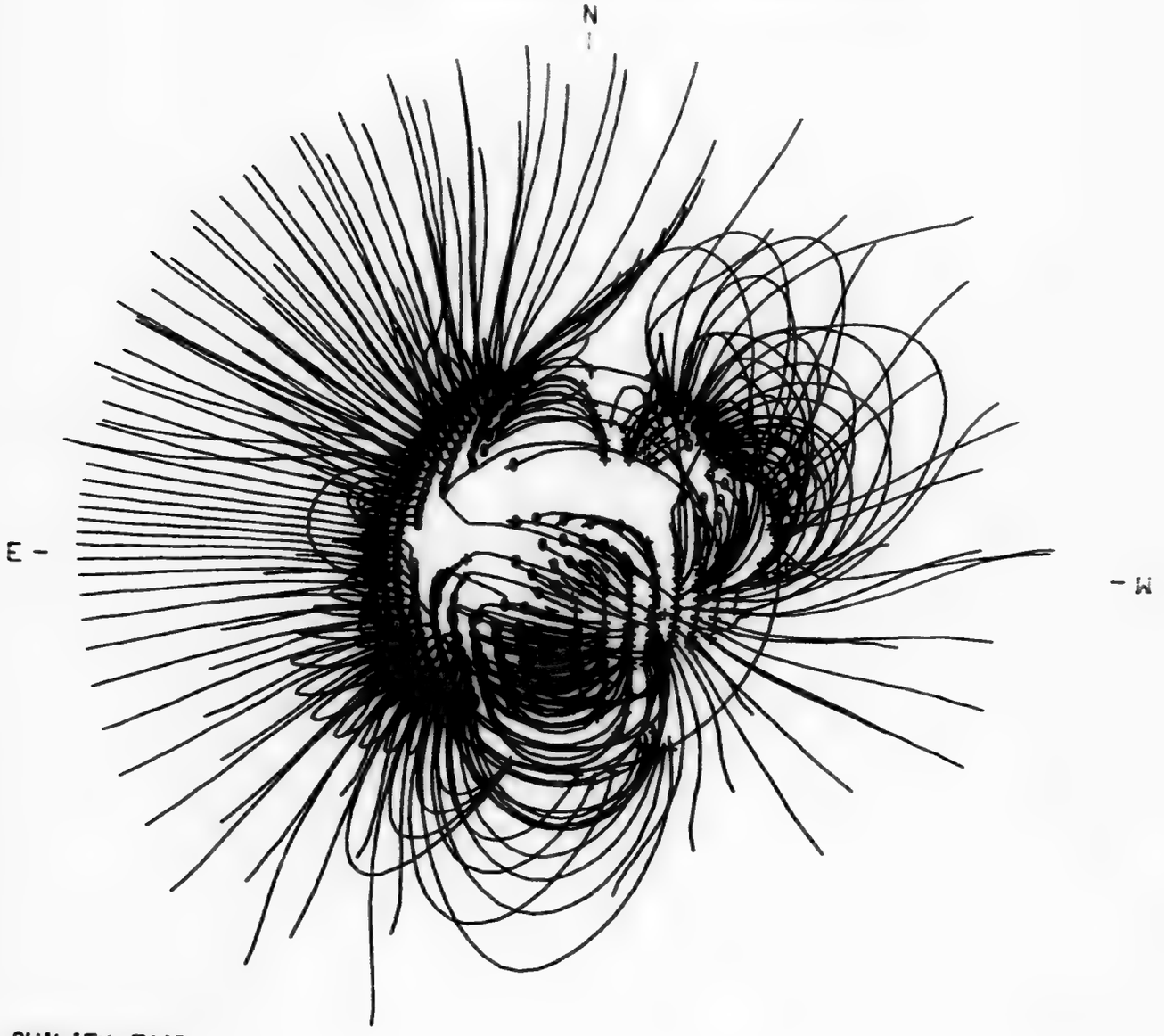
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1439 LONG. 322°

29 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

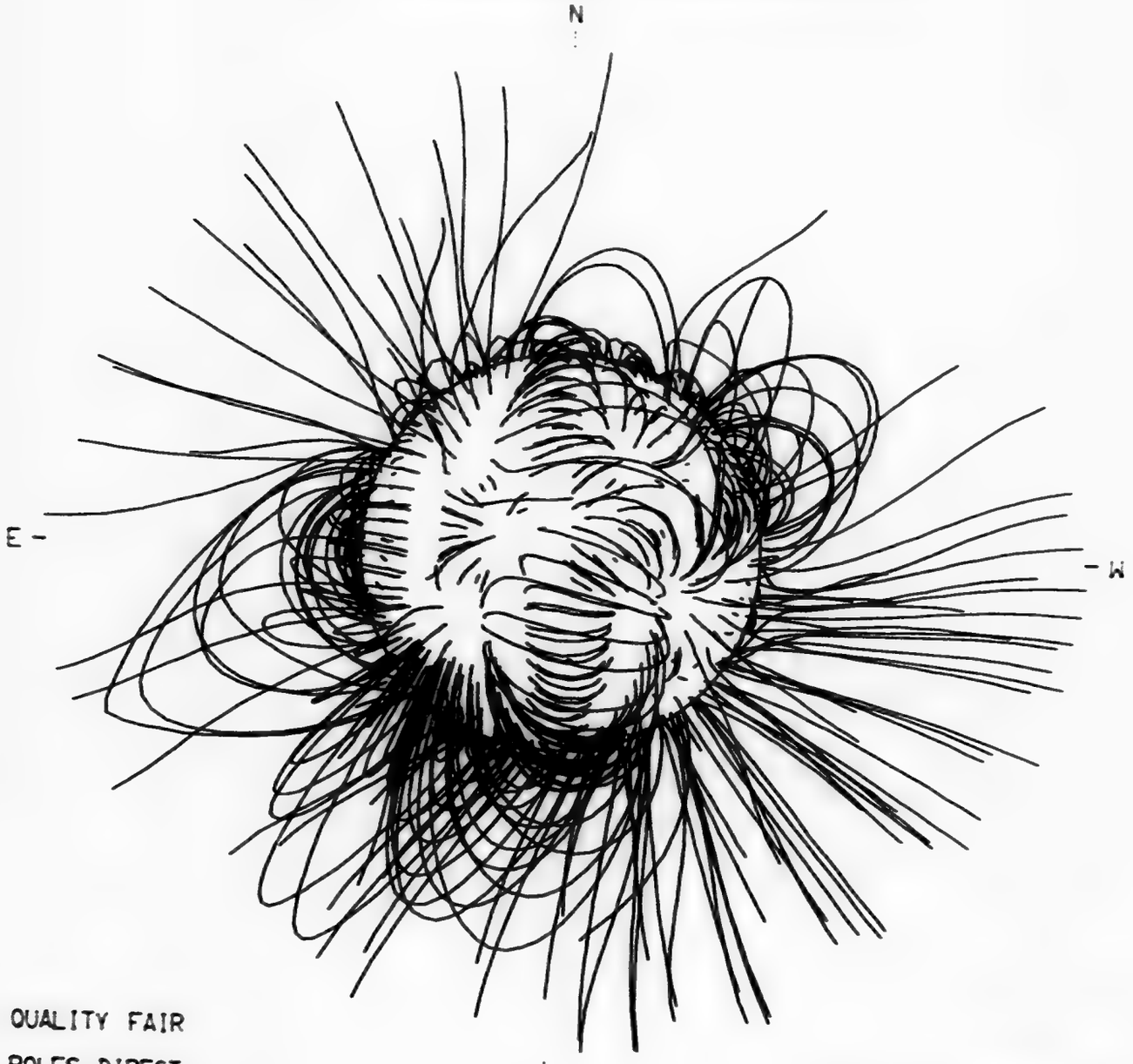
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1439 LONG. 32?°

2.9 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

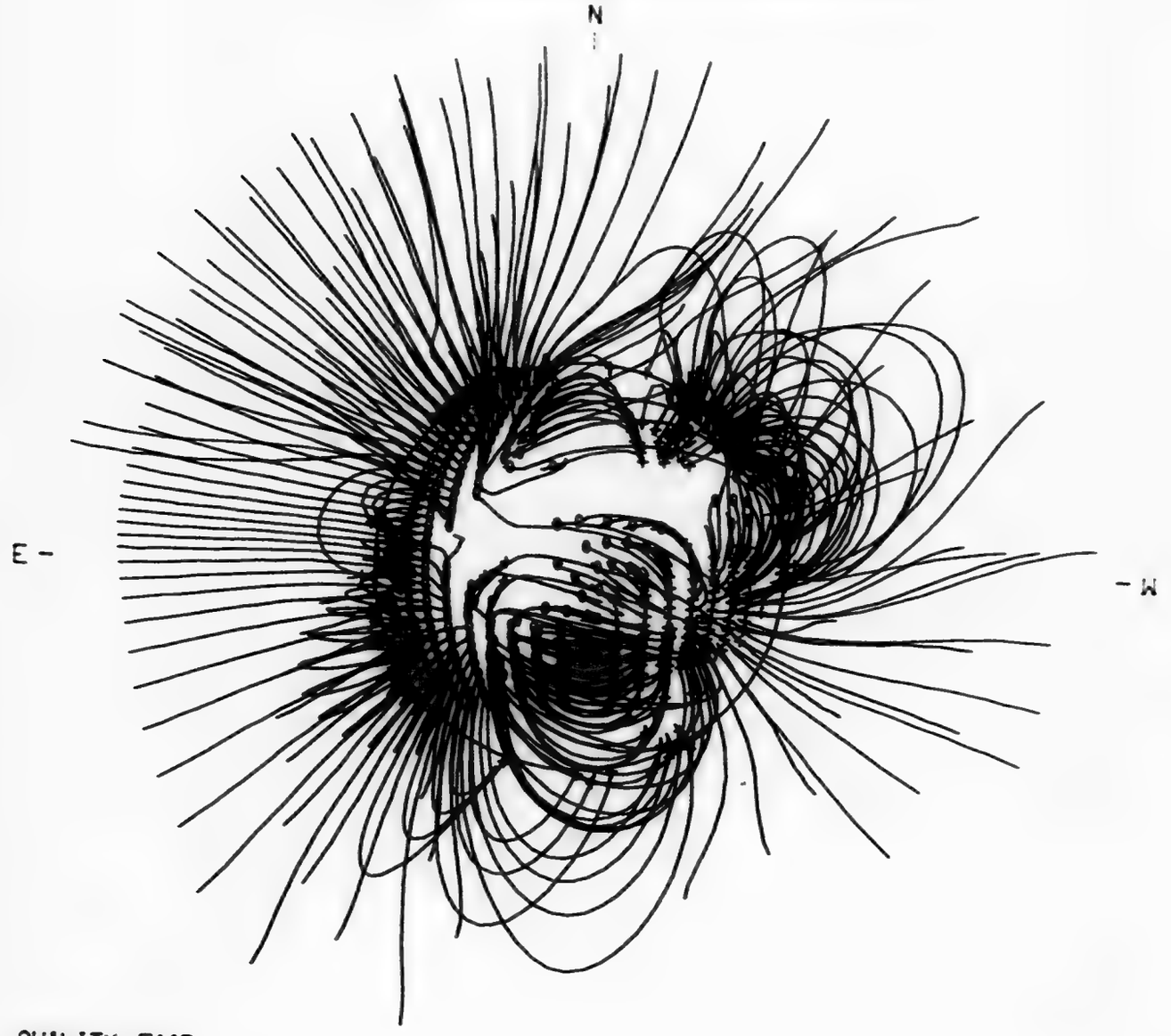
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1439 LONG. 31°

3.7 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

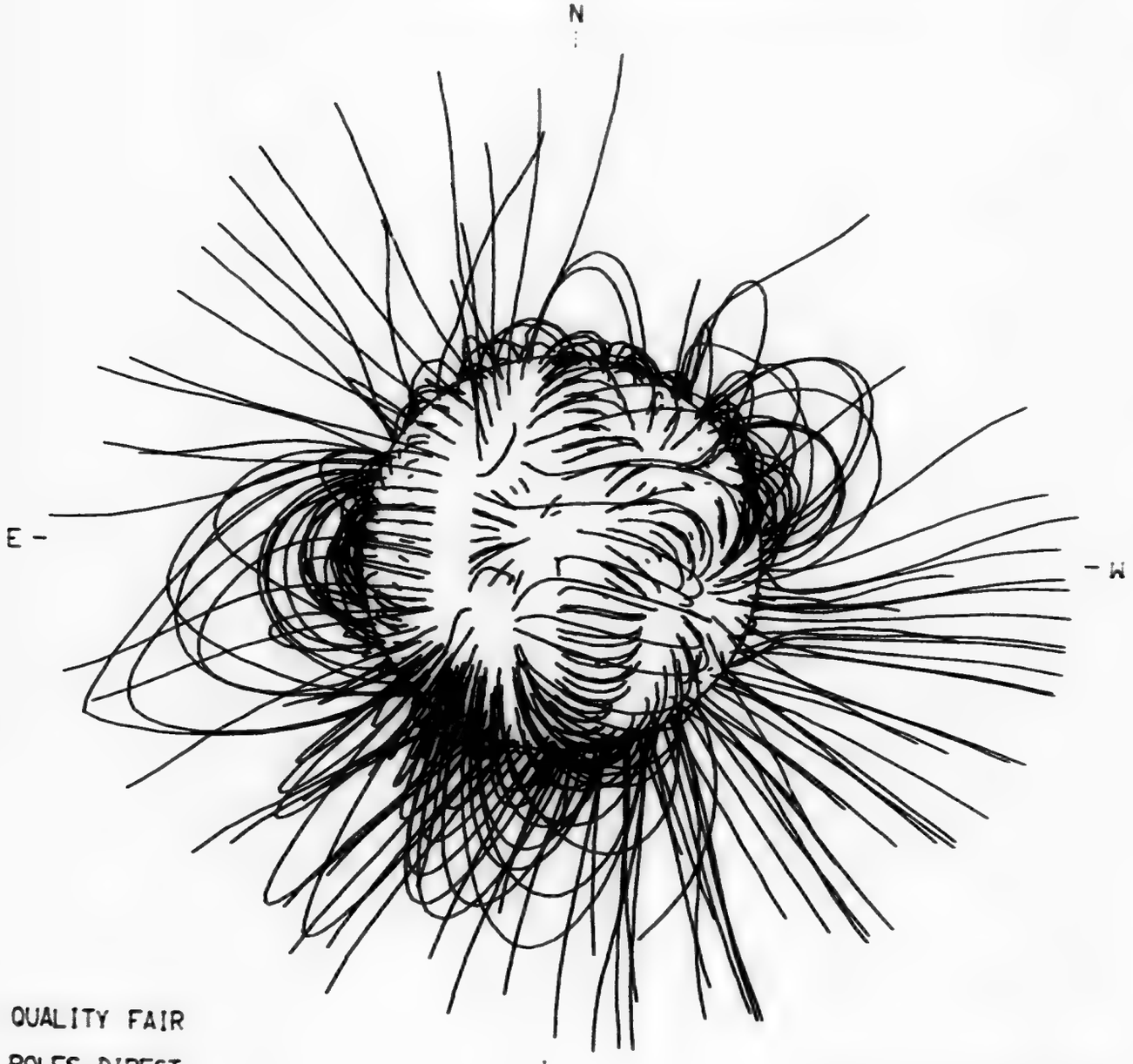
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1439 LONG. 31[illegible]°

3.7 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

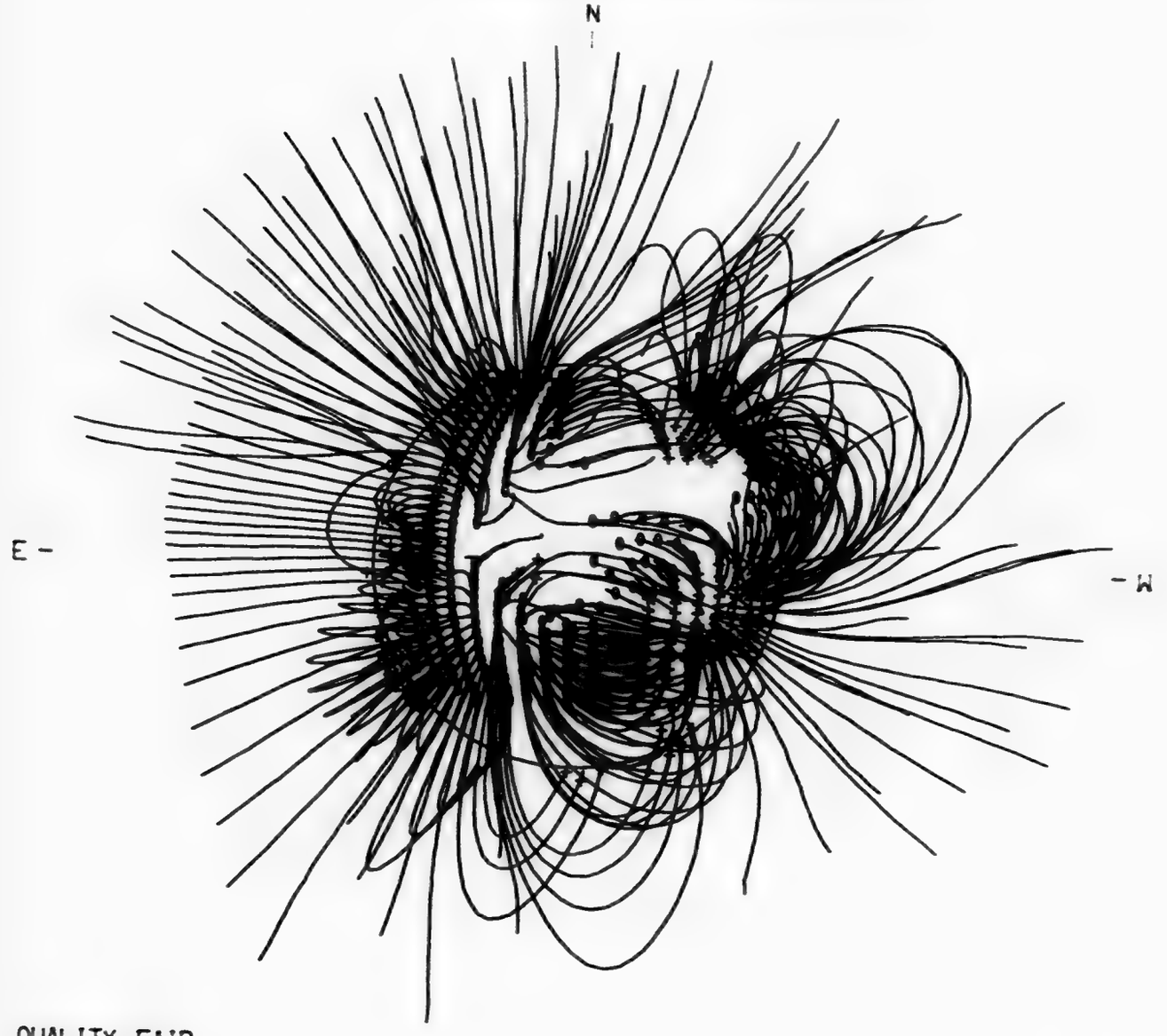
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1439 LONG. 300°

4.4 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

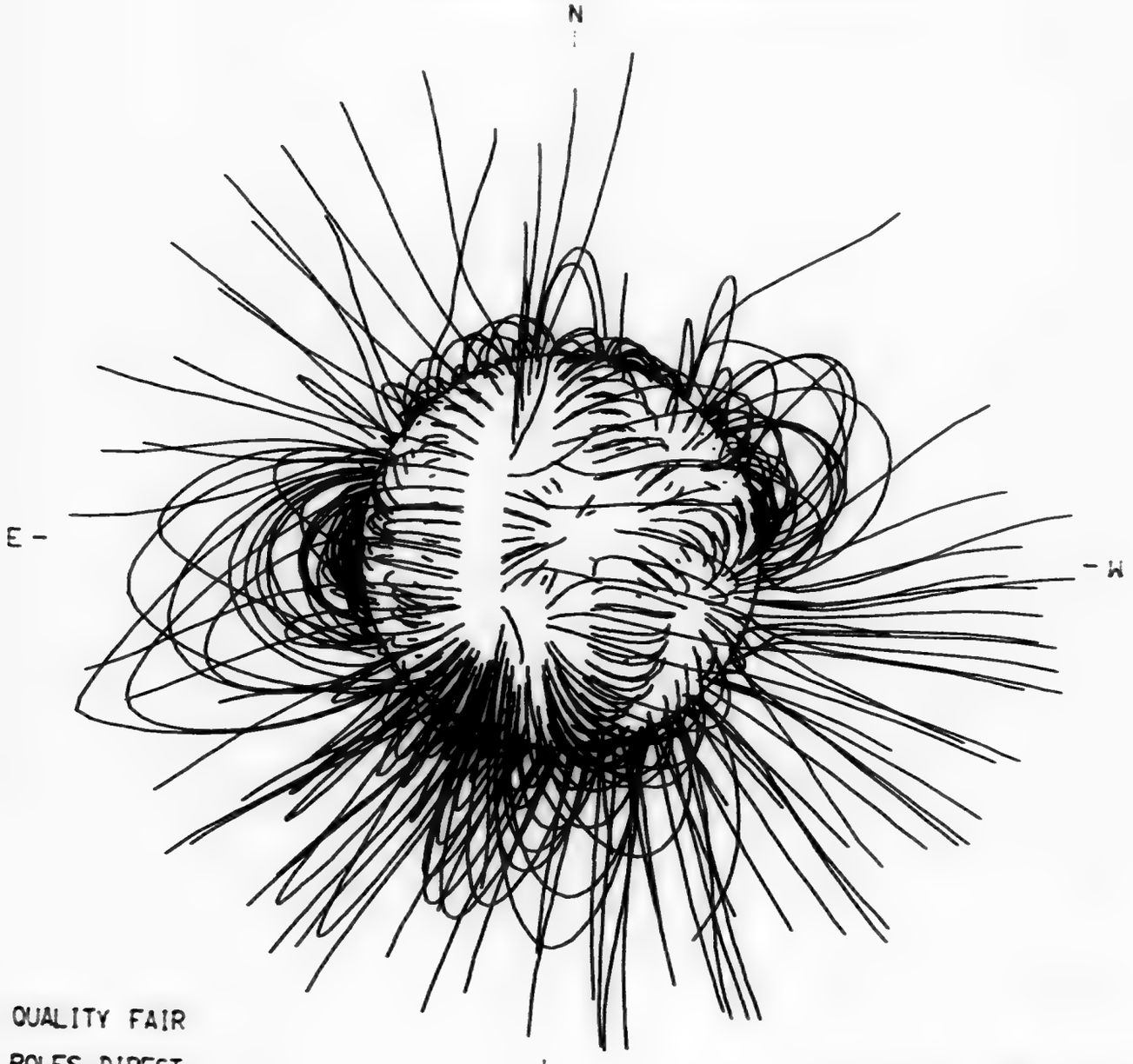
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1439 LONG. 300°

4.4 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

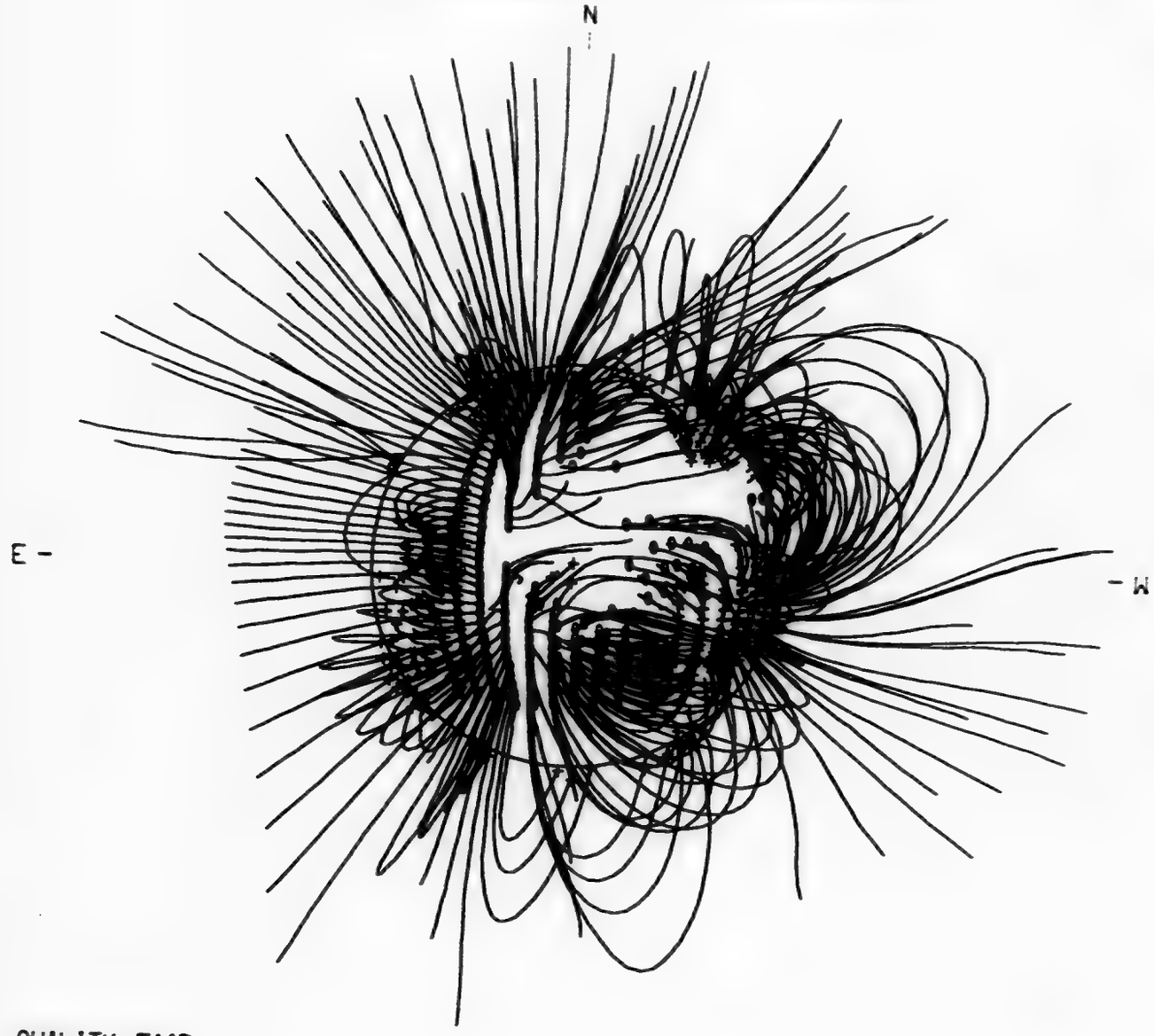
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1439 LONG. 29[illegible]°

5.2 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

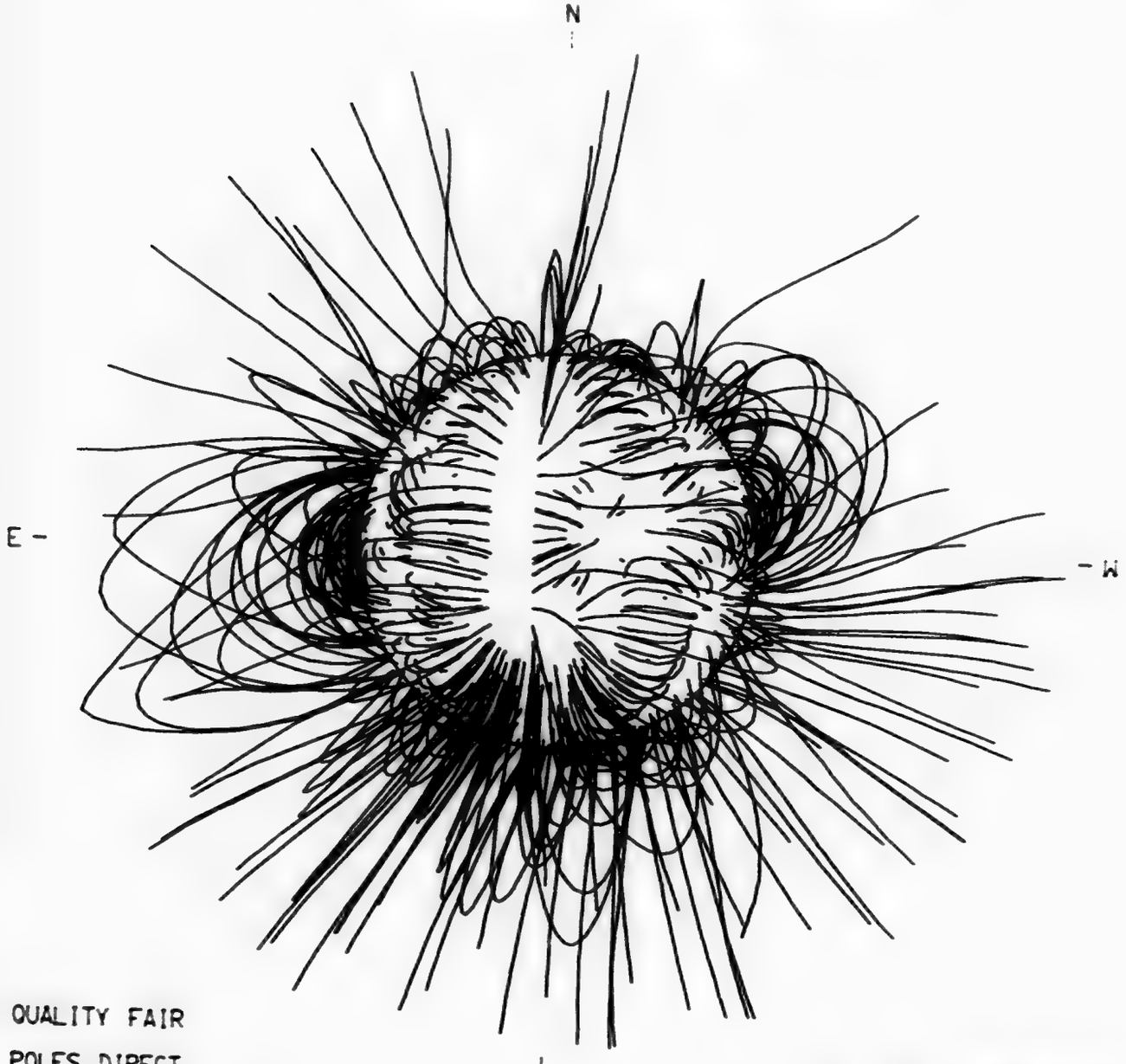
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1439 LONG. 290°

5.2 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

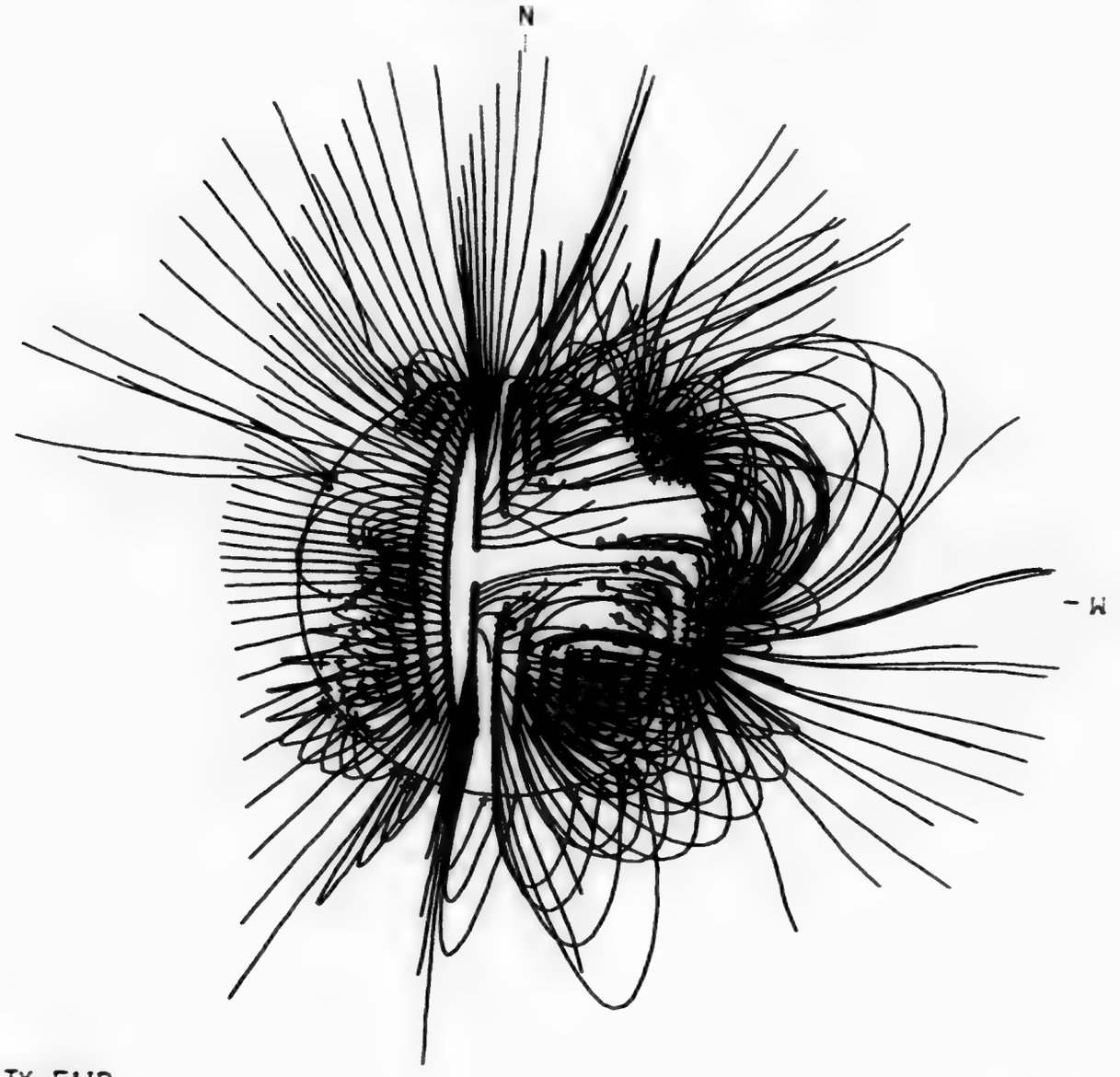
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1439 LONG. 280°

6.0 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

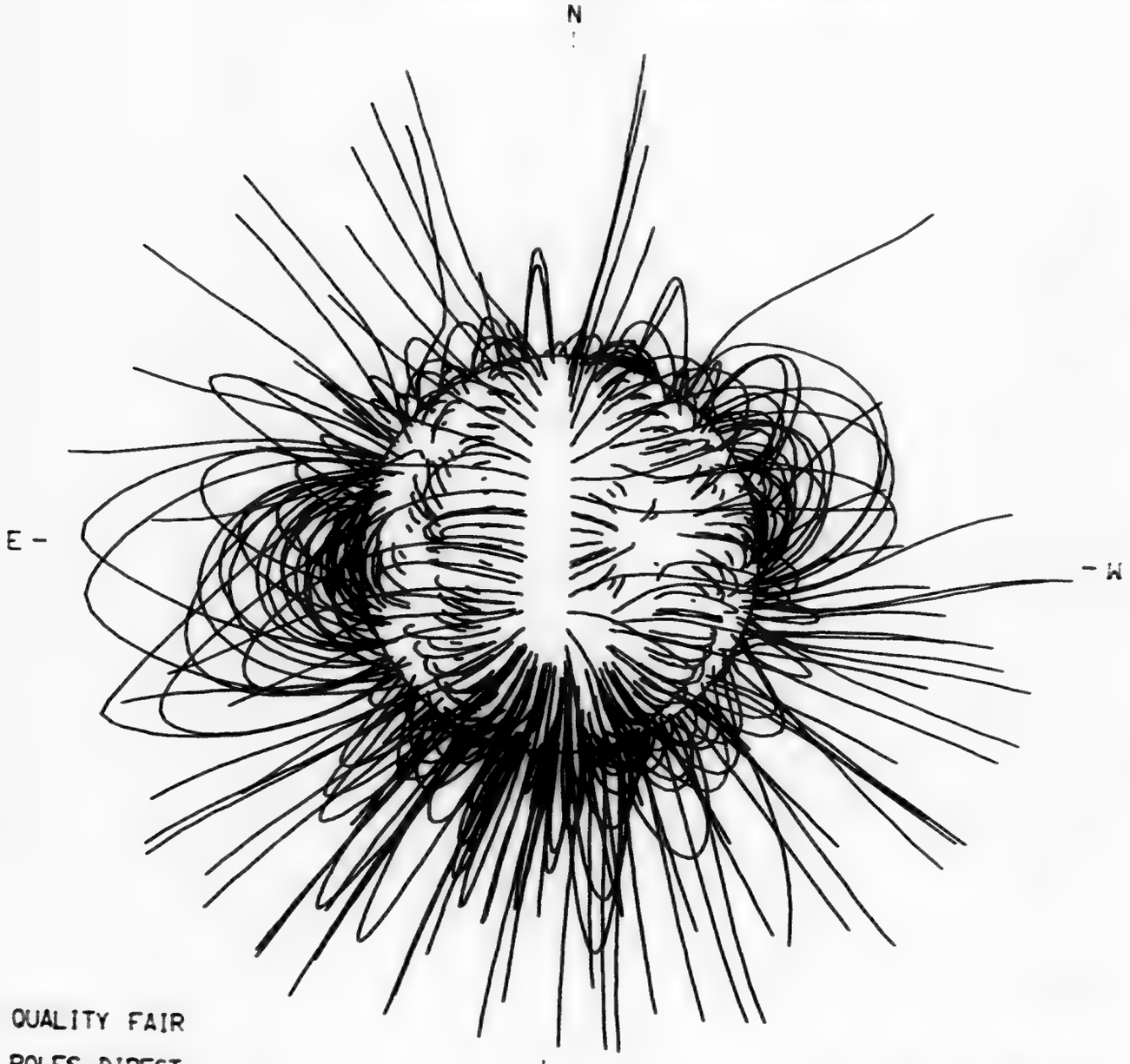
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1439 LONG. 280°

6.0 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

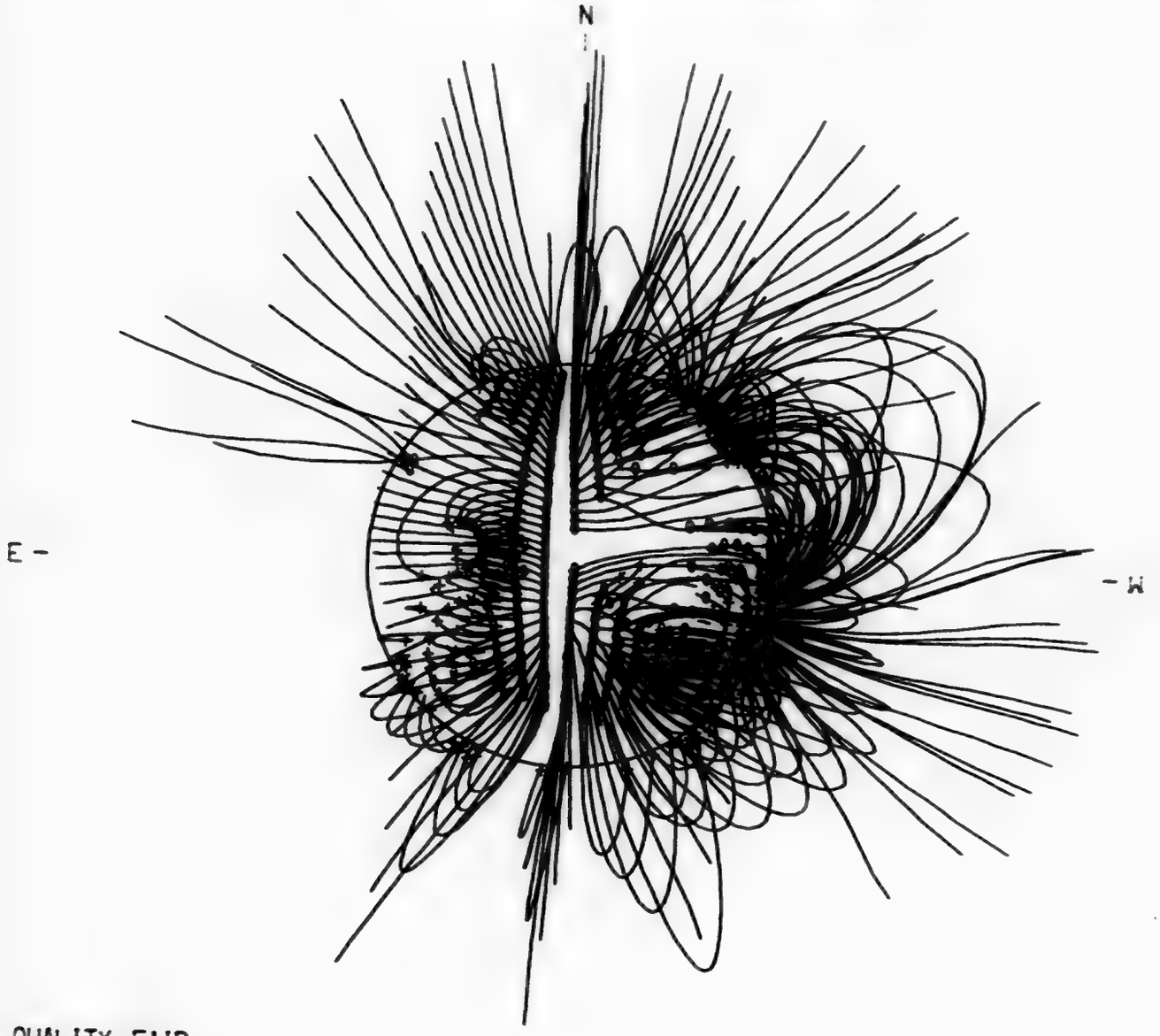
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1439 LONG. 270°

6.7 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

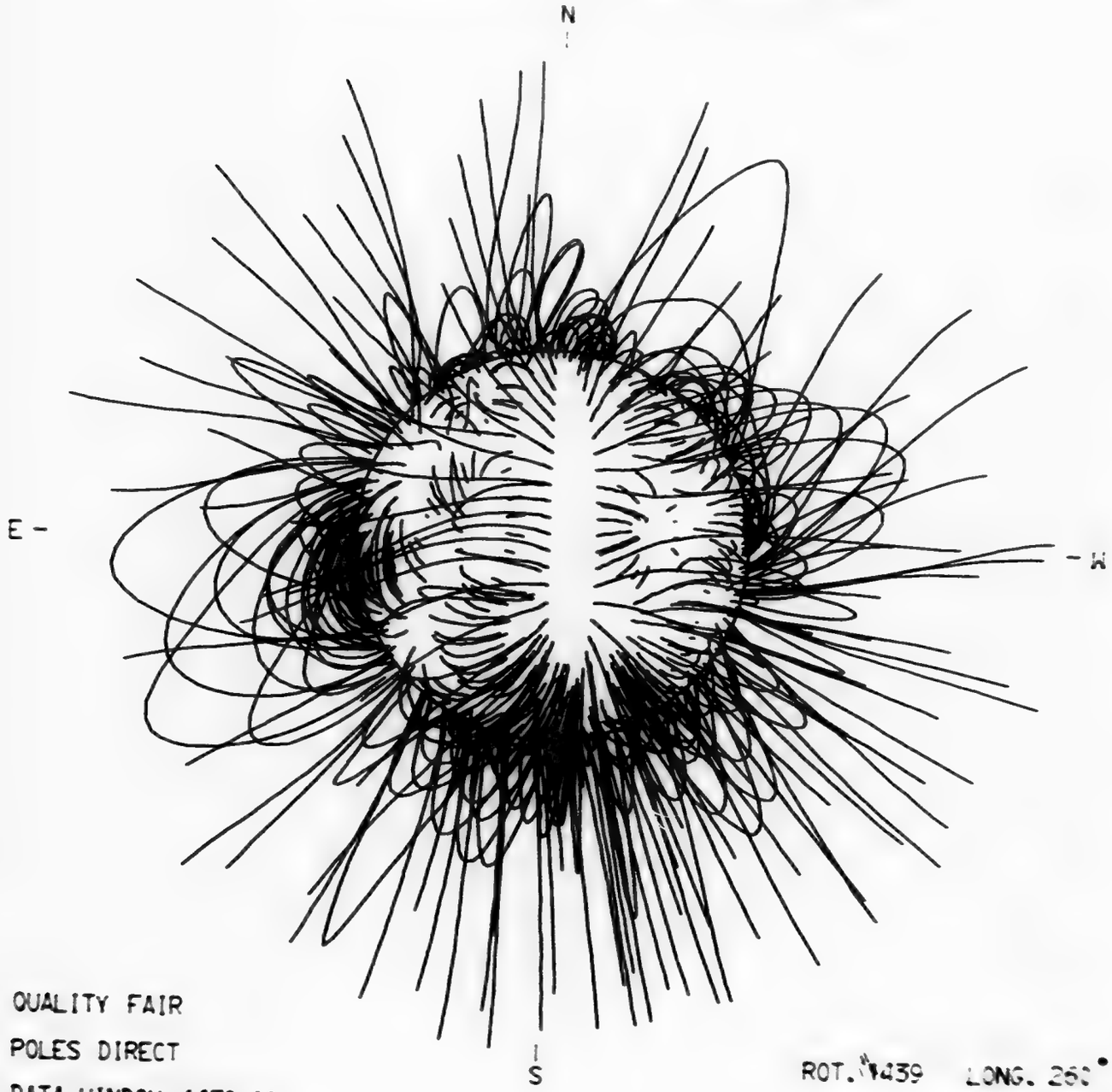
POLES DIRECT

DATA WINDOW 1438.47

ROT. 1439 LONG. 270°

6.7 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

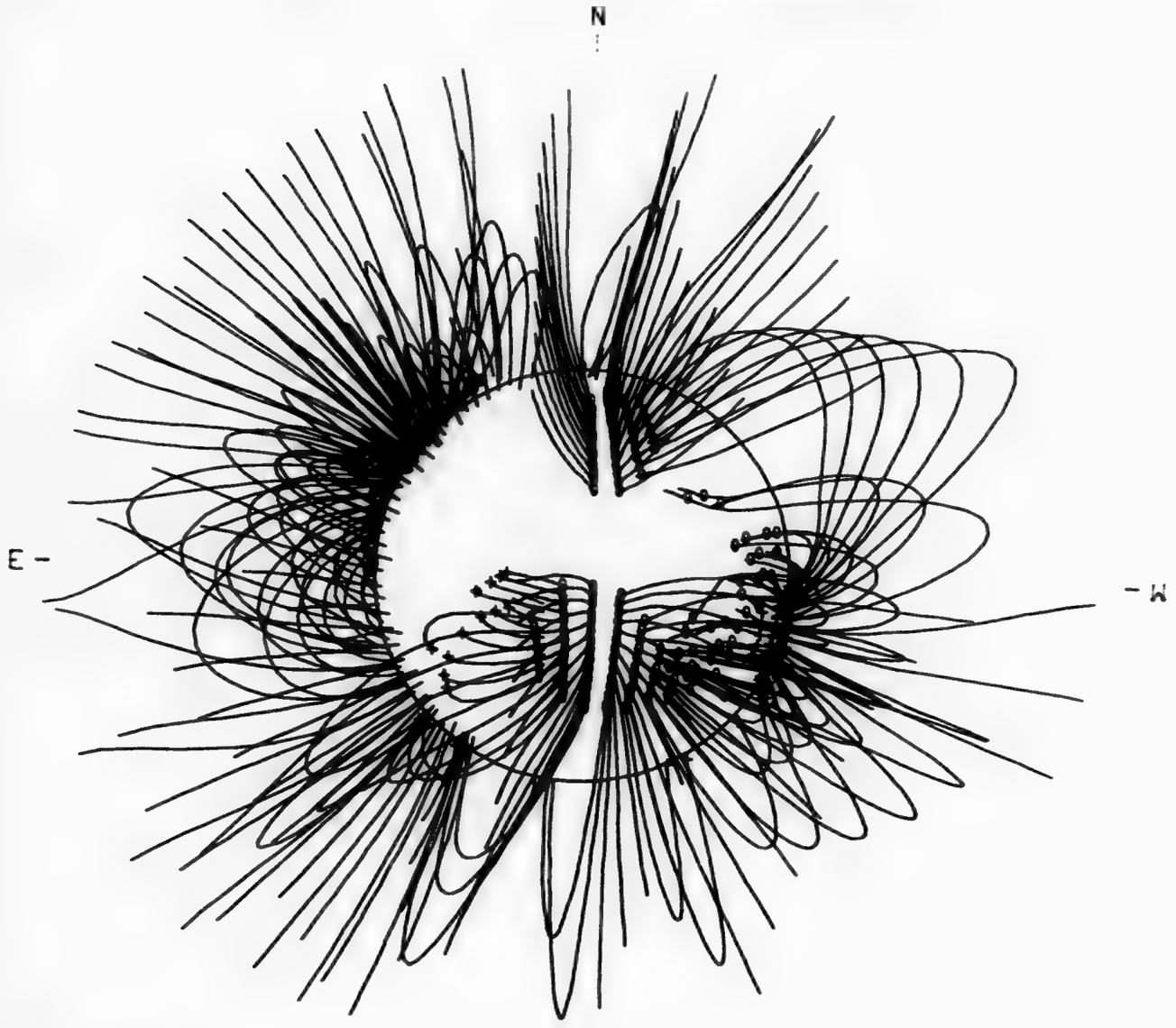
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 260°

7.5 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

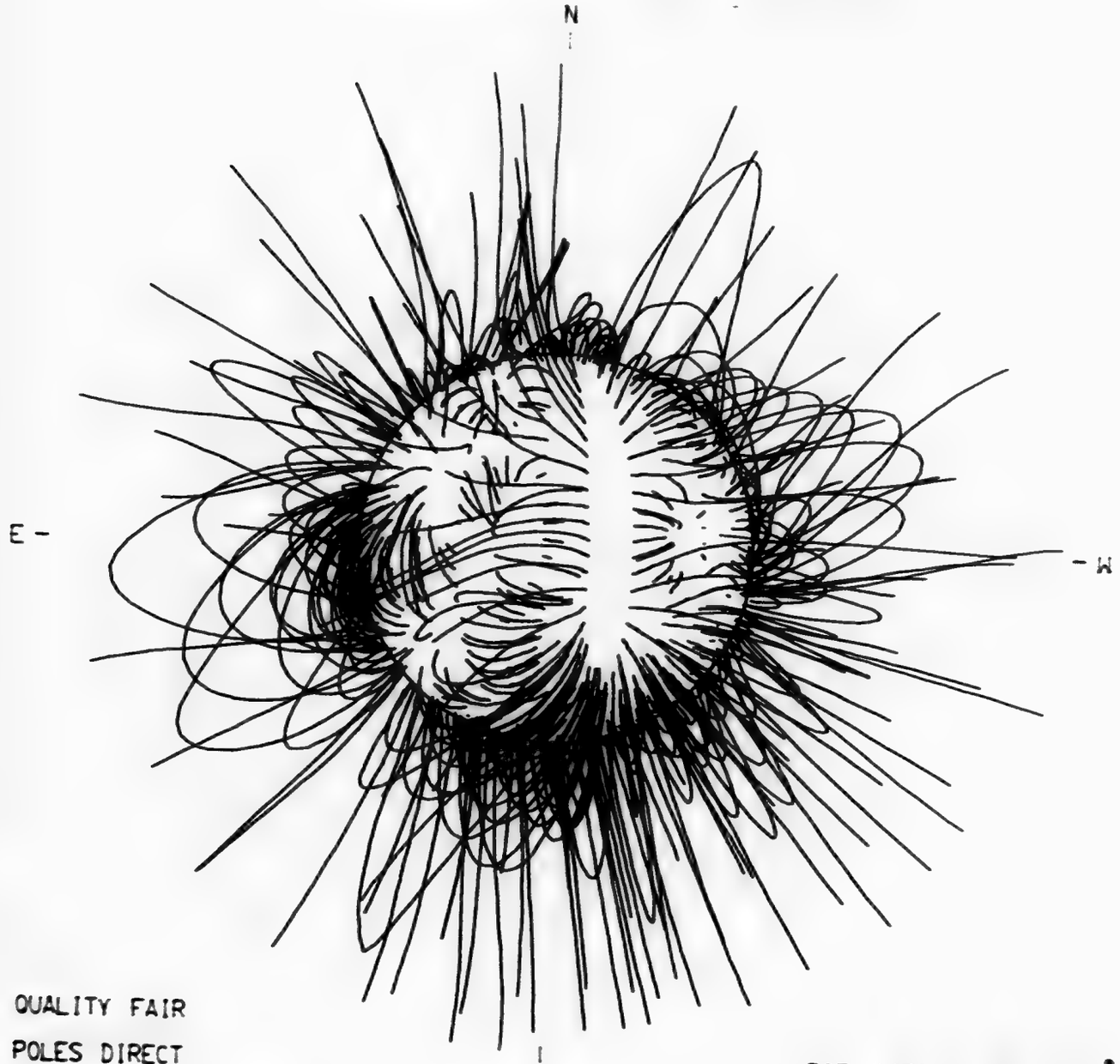
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 262°

7.5 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

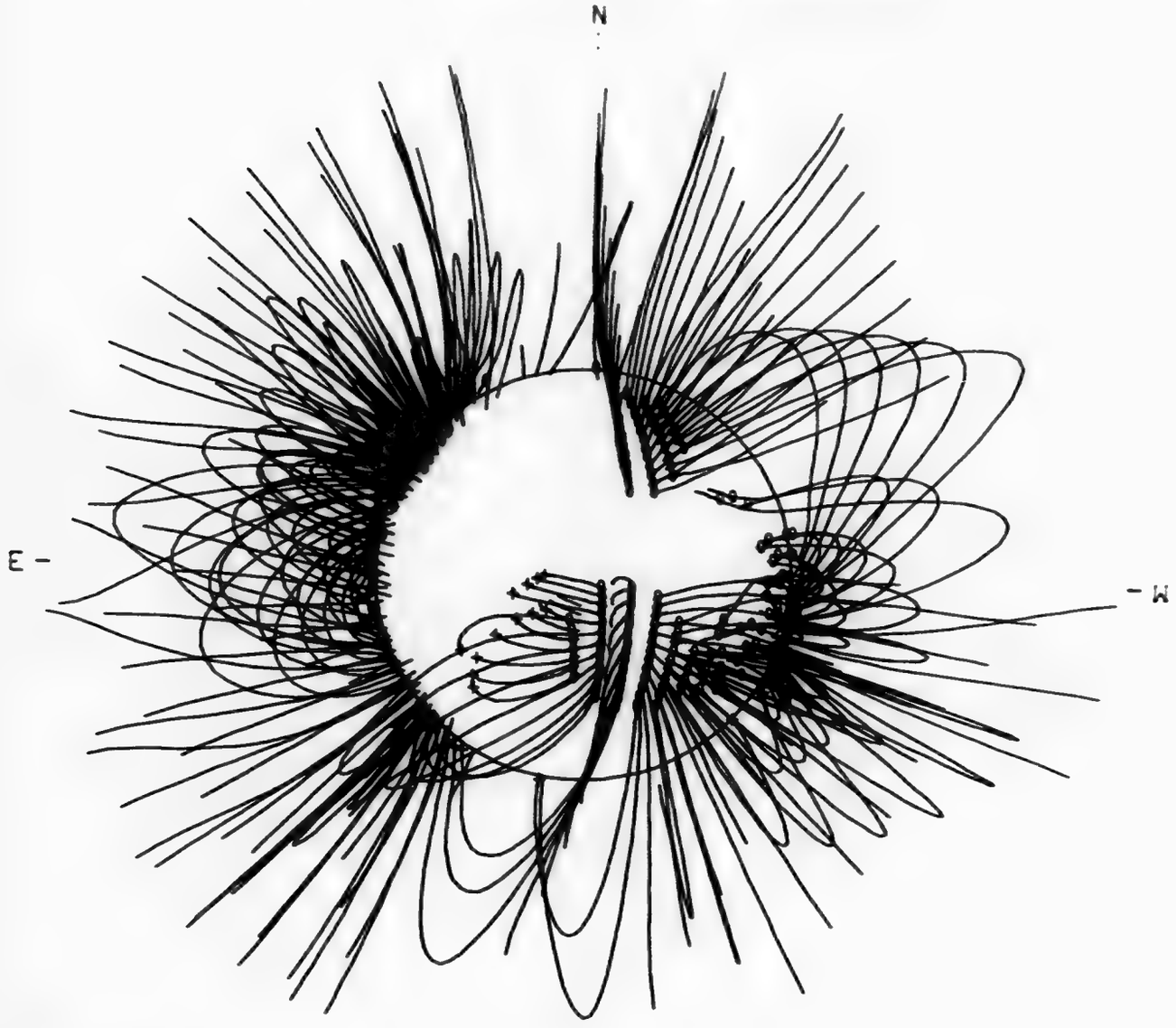
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 250°

8.2 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

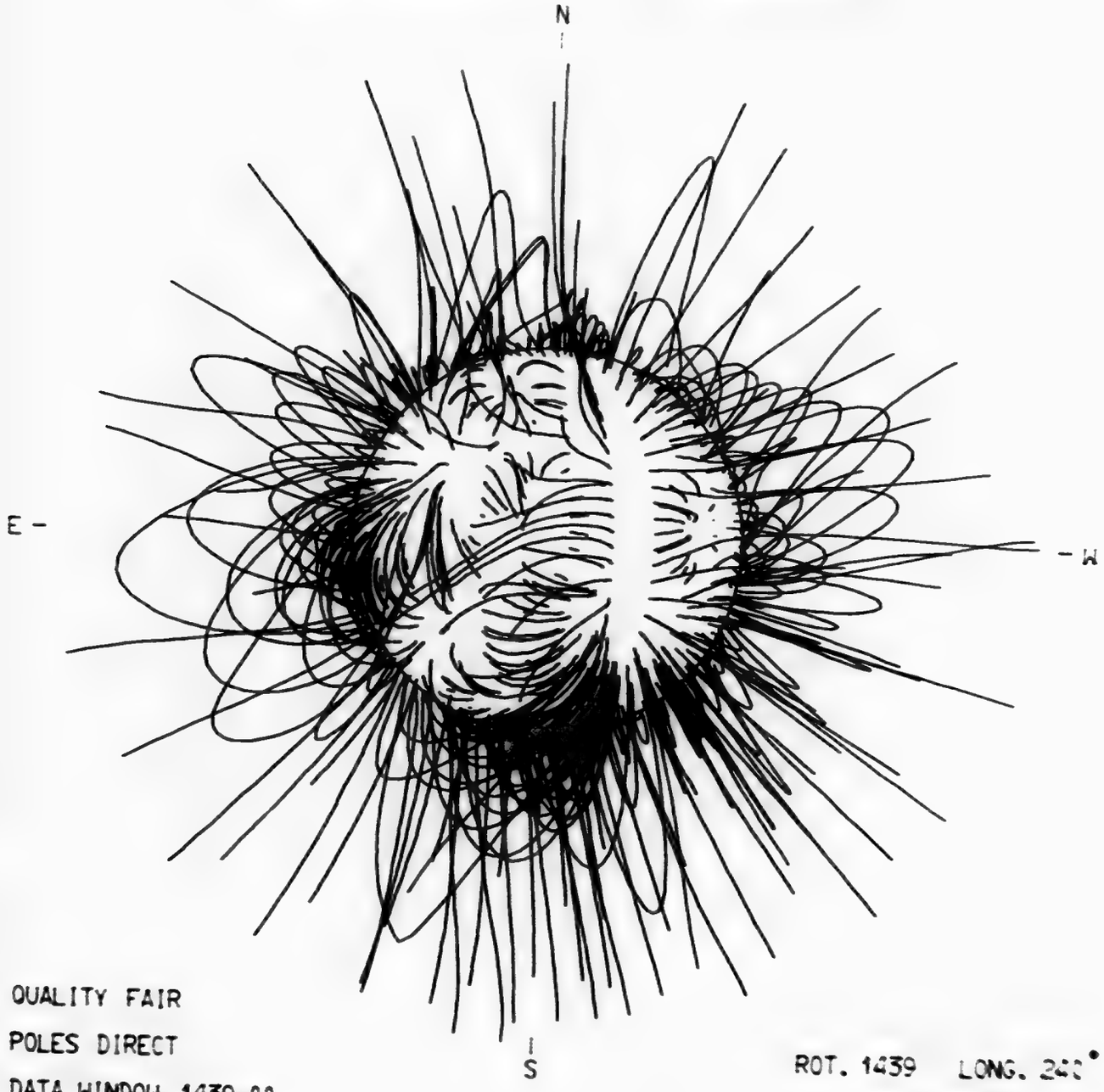
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 253°

8.2 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

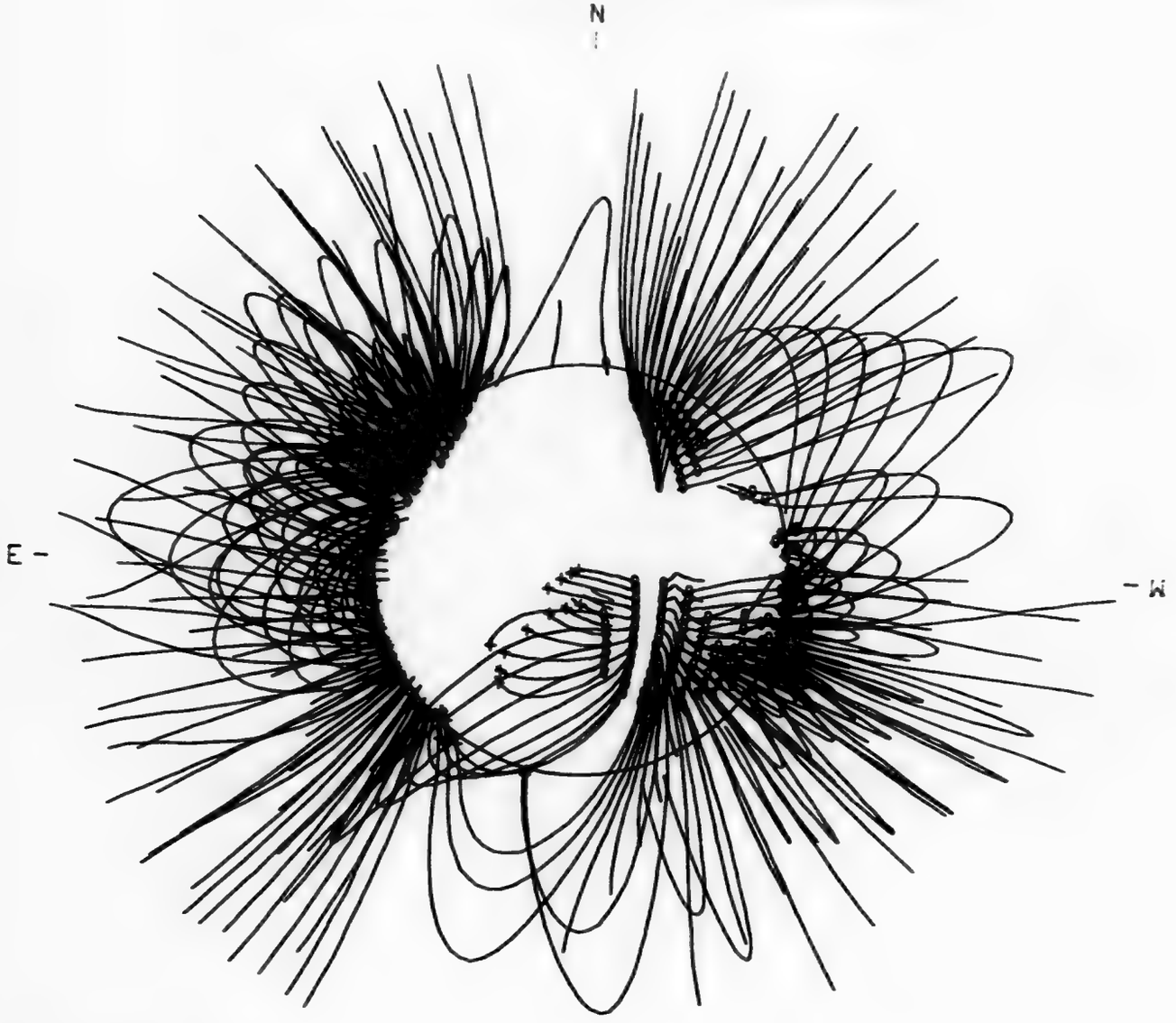
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 240°

9.0 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

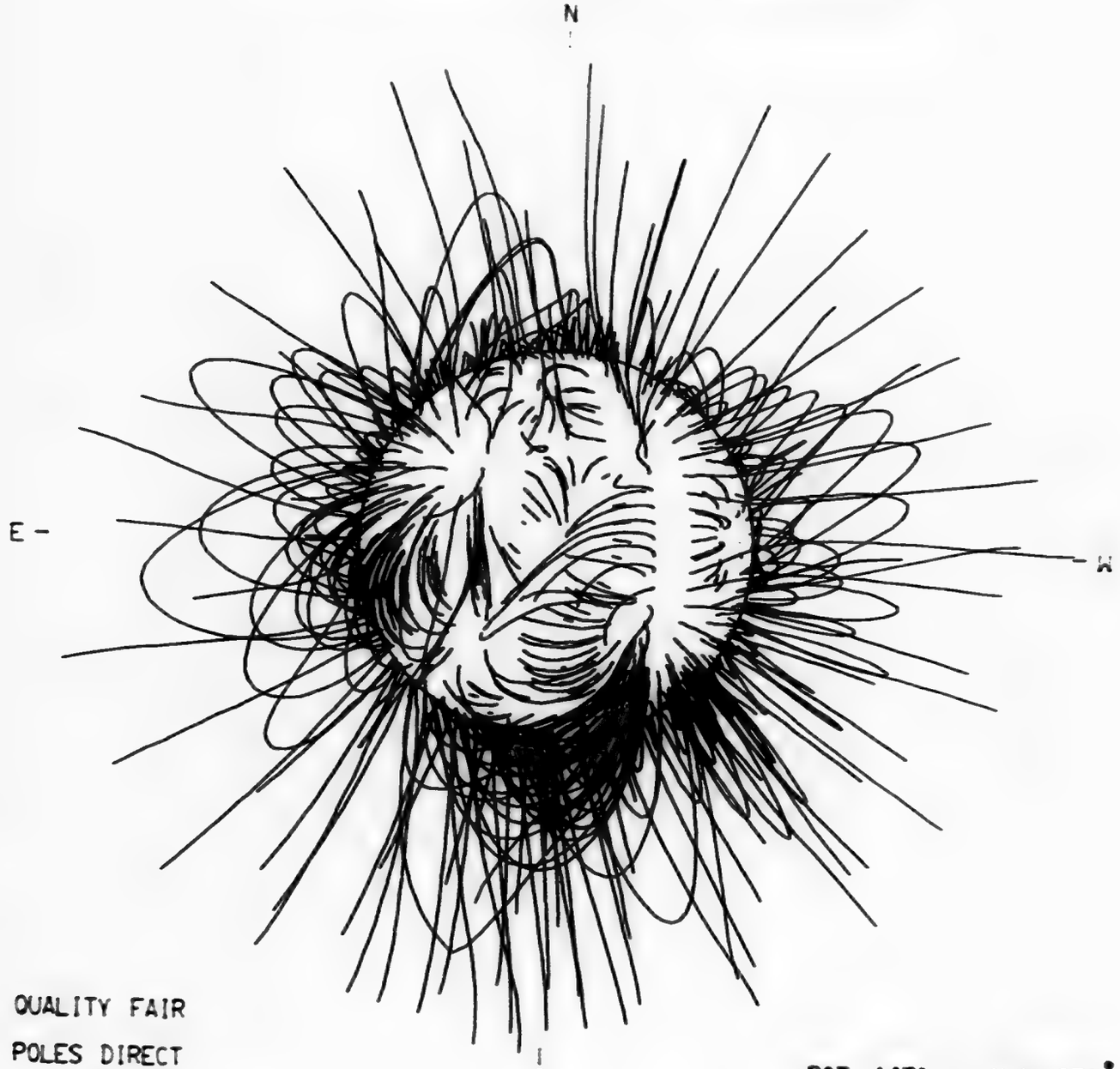
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 240°

9.0 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

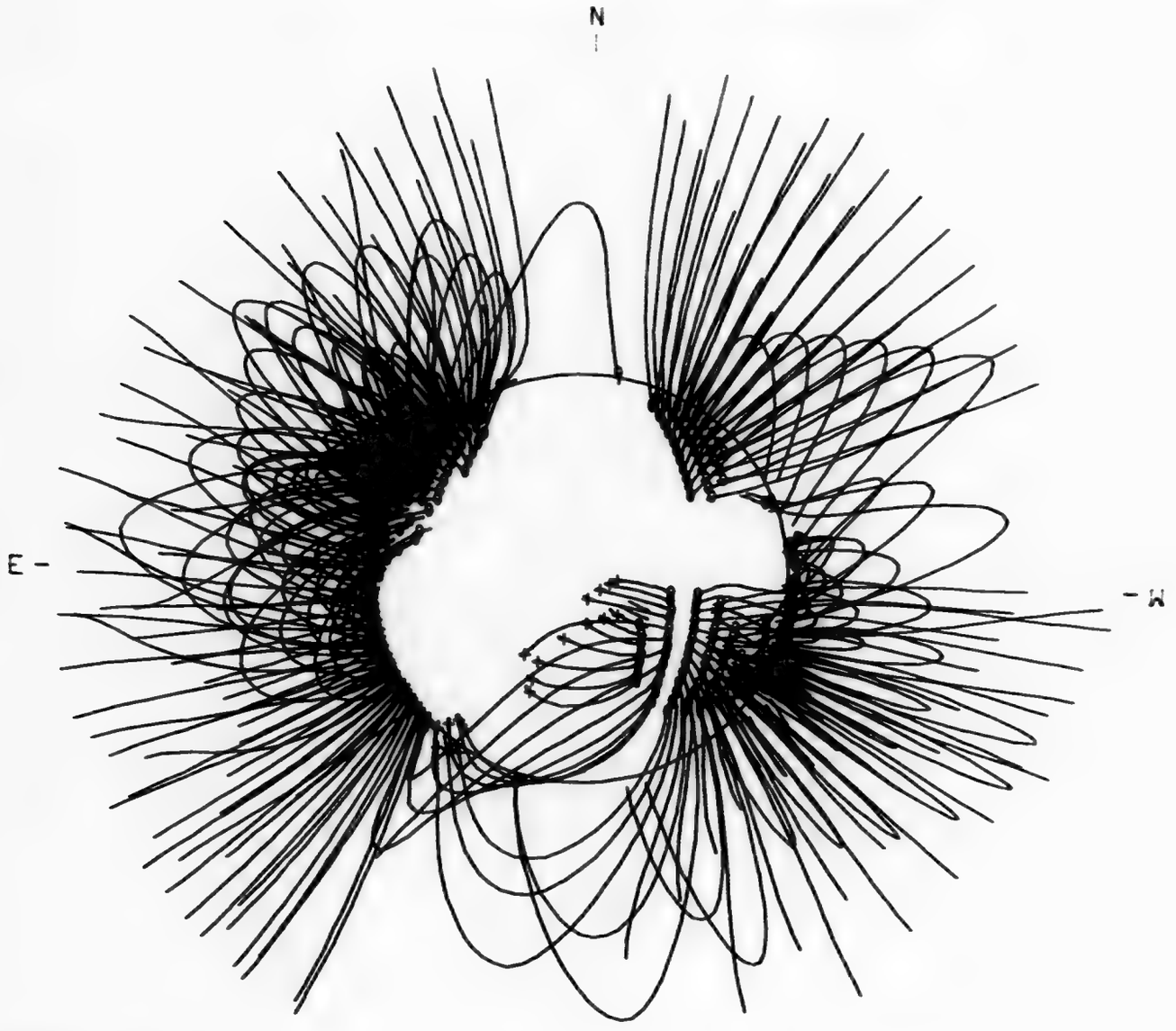
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 250°

9.7 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

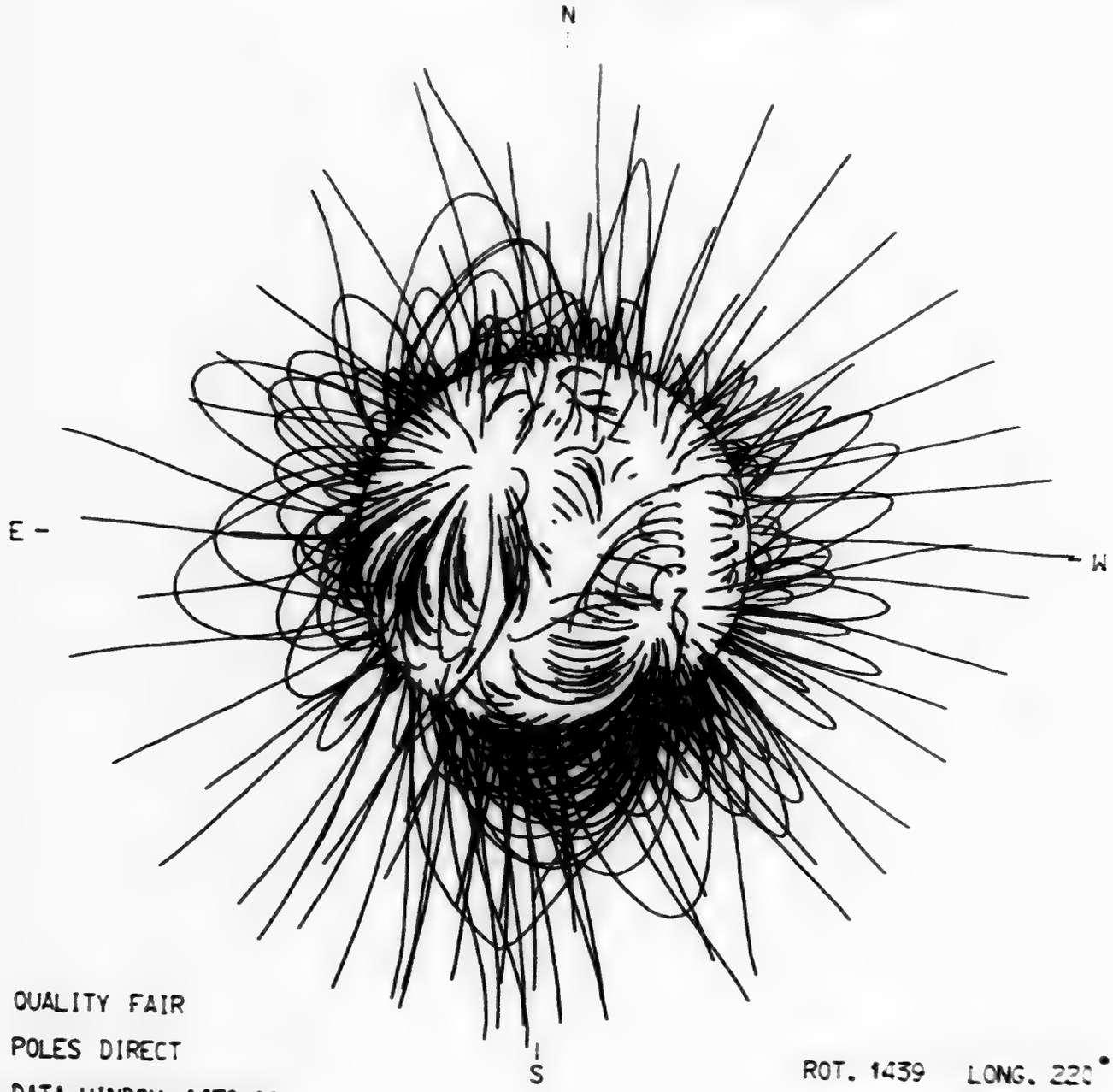
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 230°

9.7 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

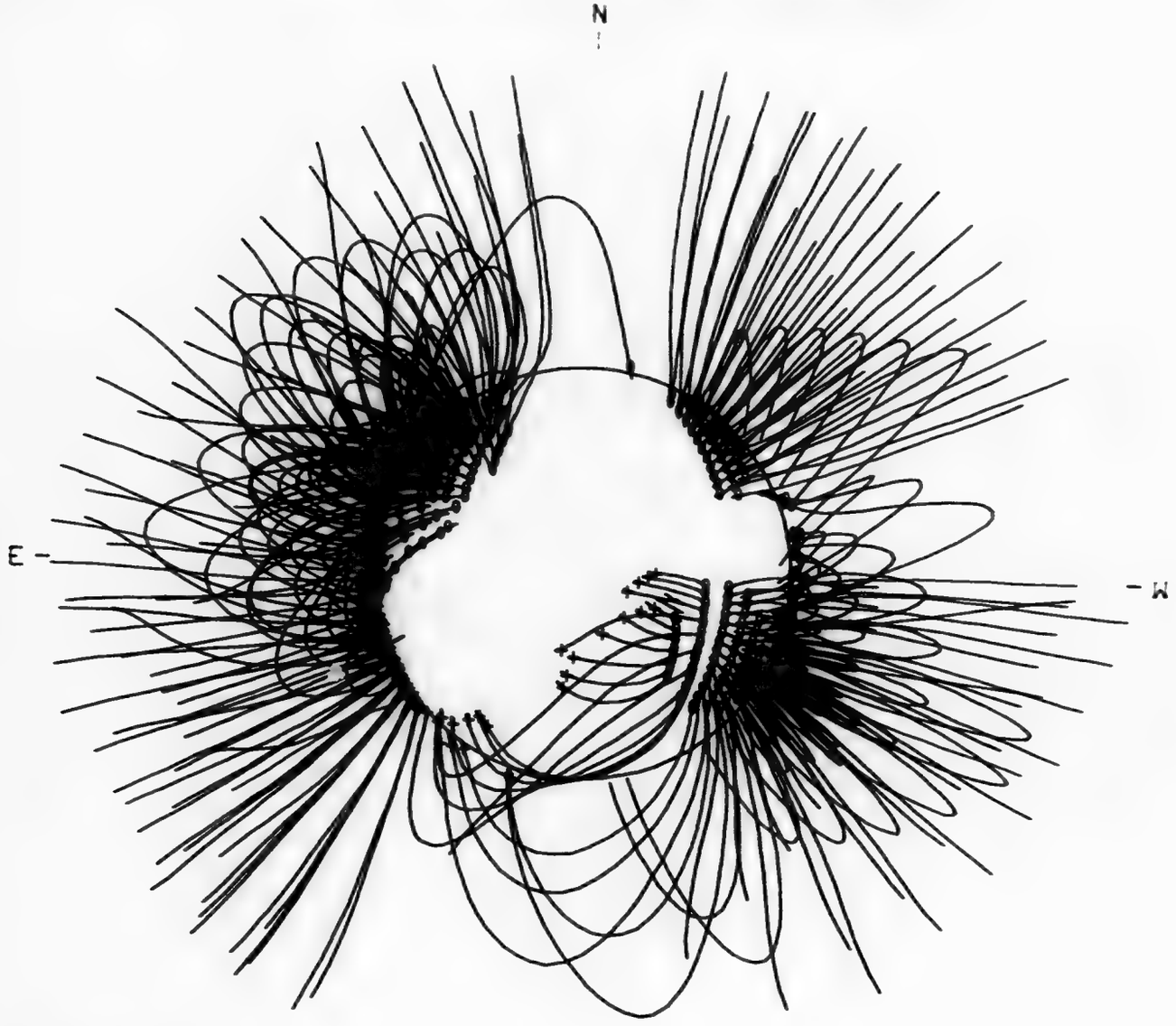
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 220°

10.5 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

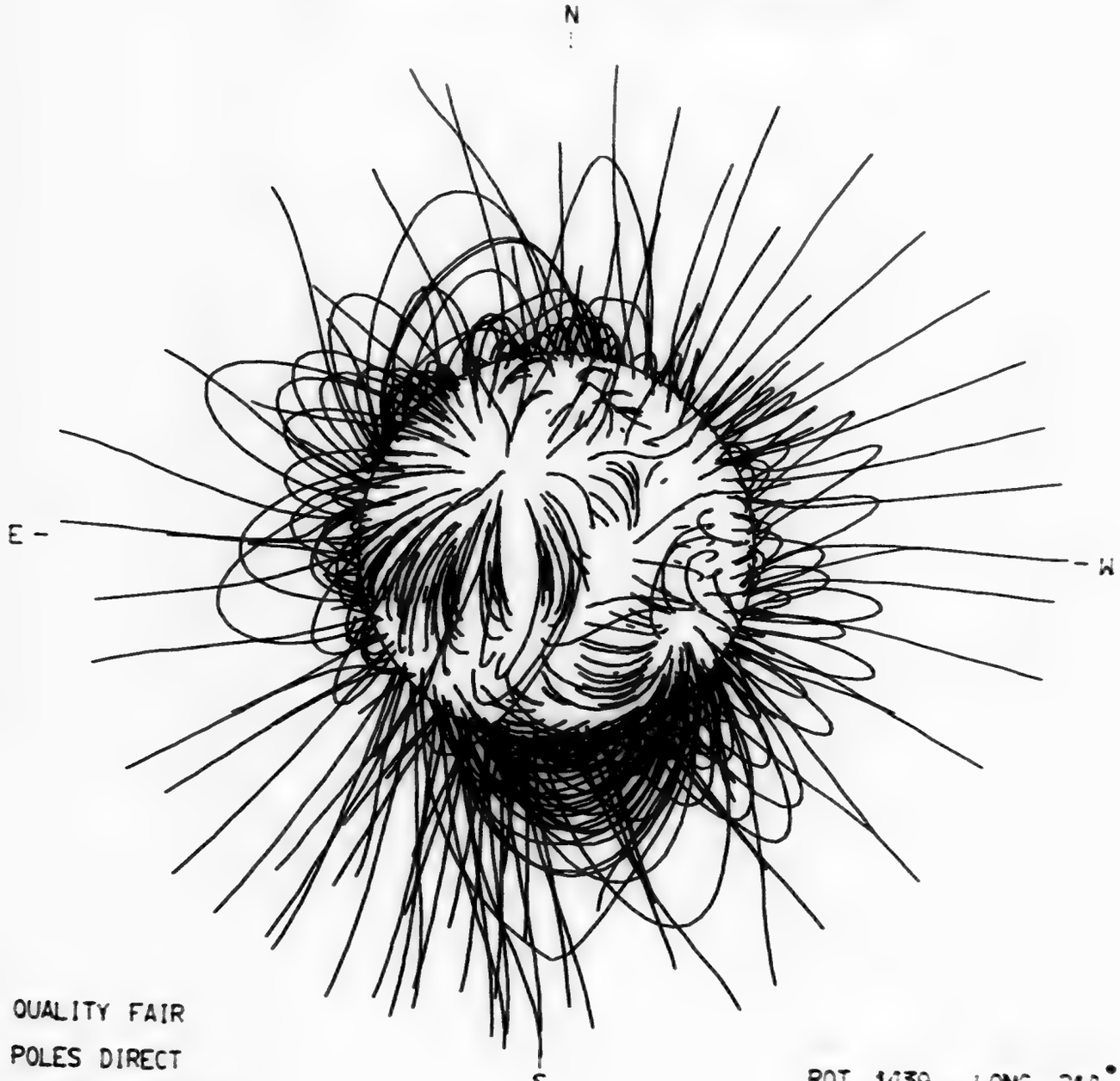
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 220°

10.5 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

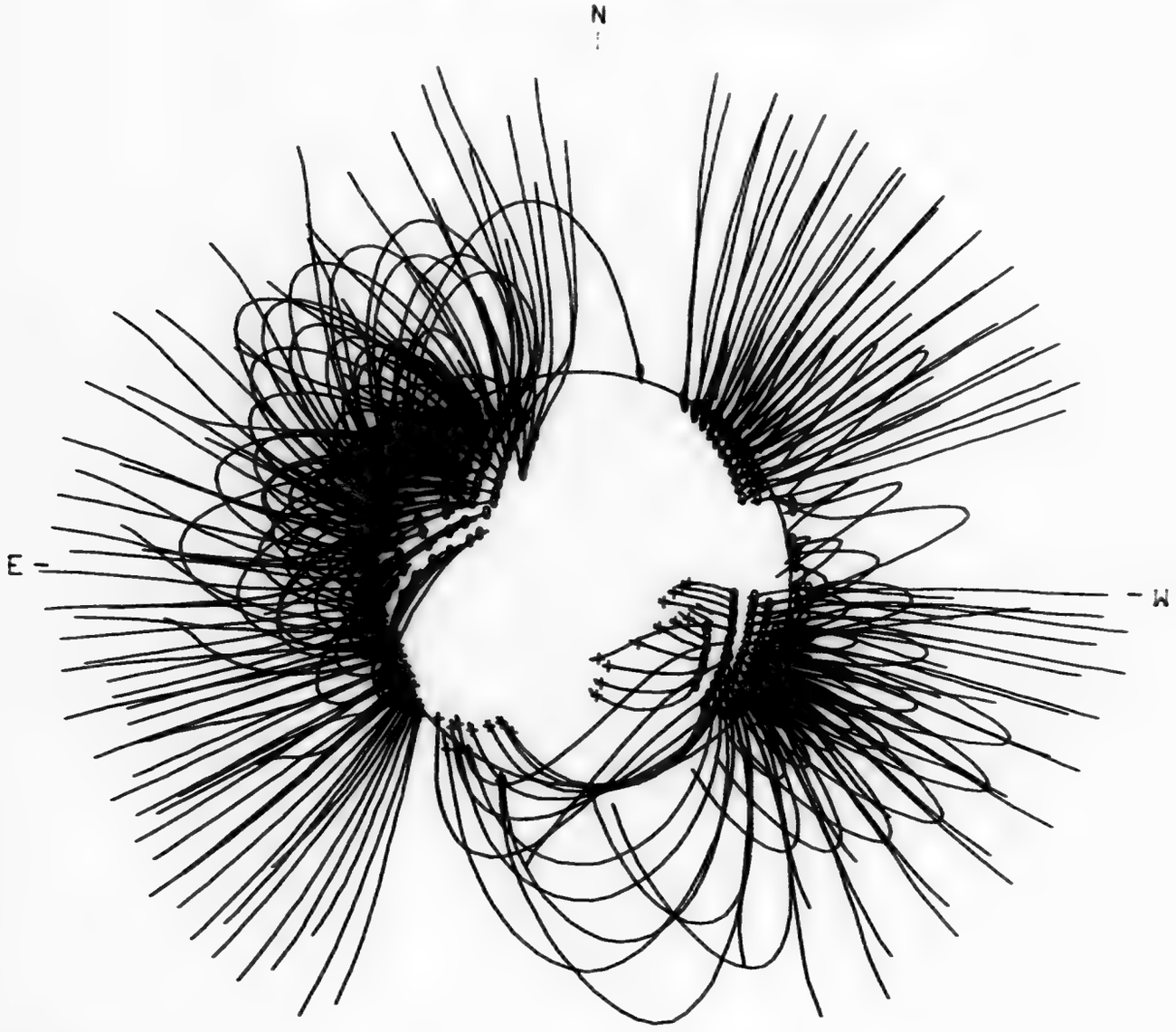
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 21[illegible]°

11.3 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

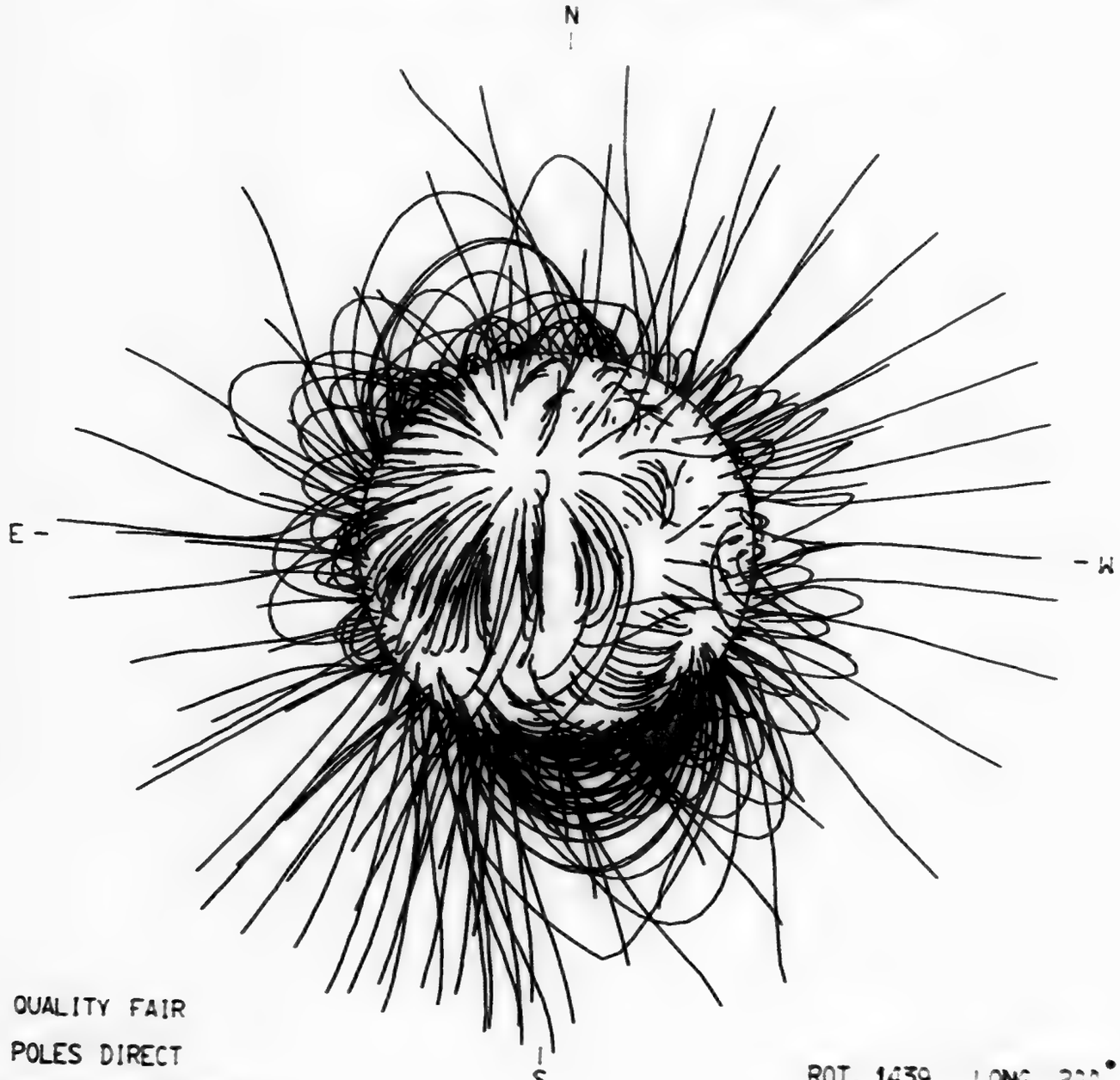
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 210°

11.3 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

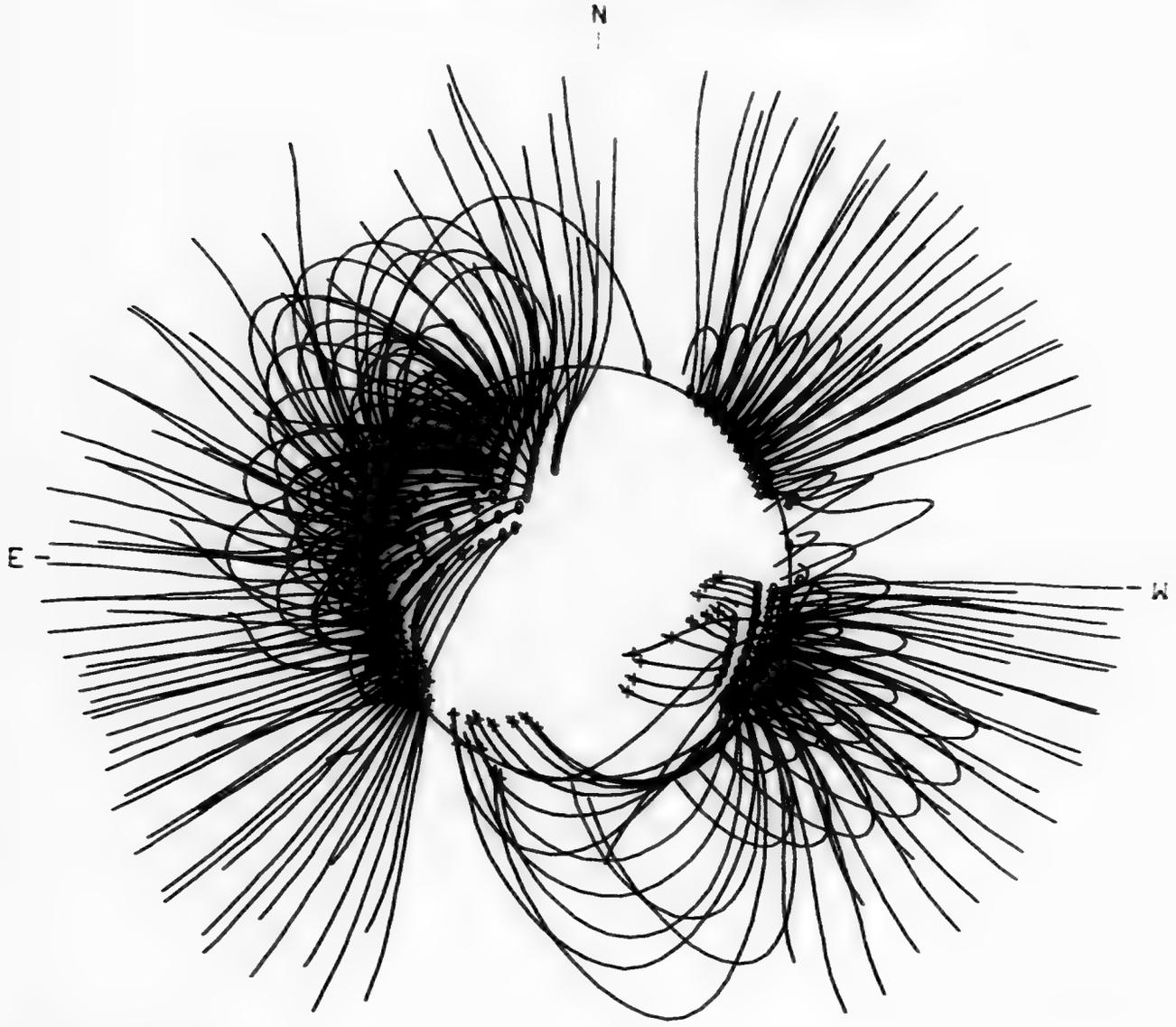
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 200°

12.0 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

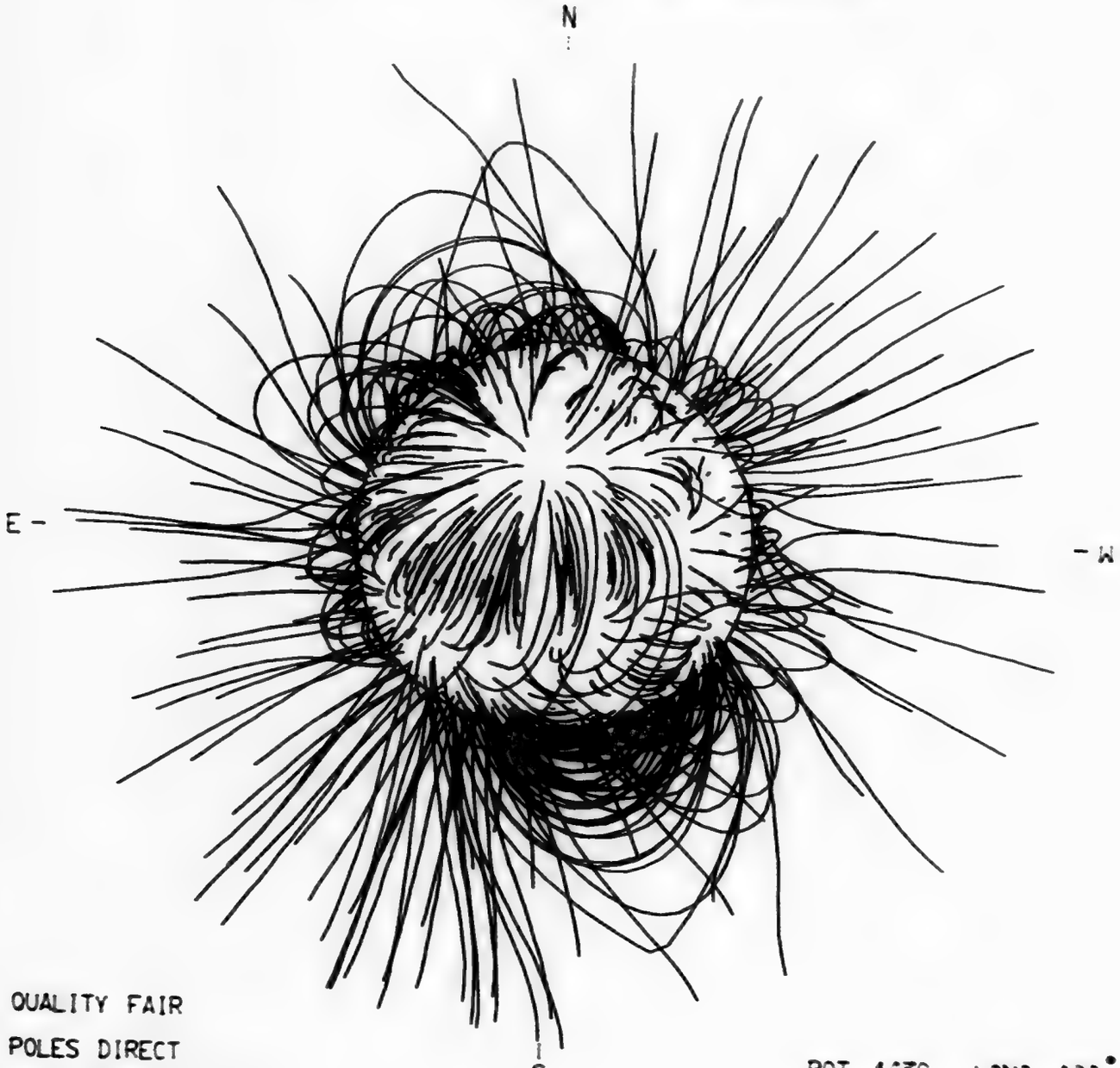
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 200°

12.0 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

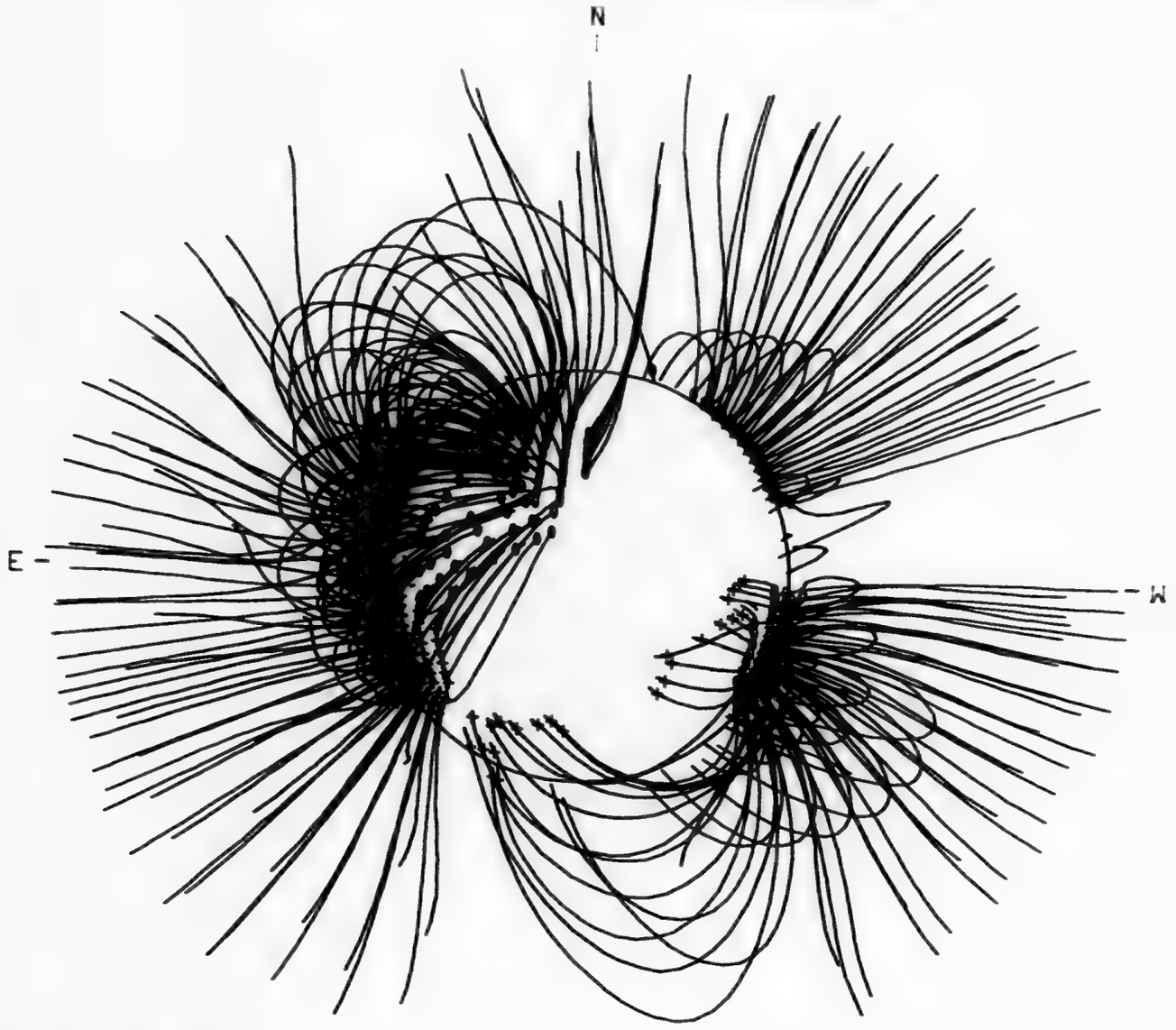
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 19[illegible]°

12.8 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

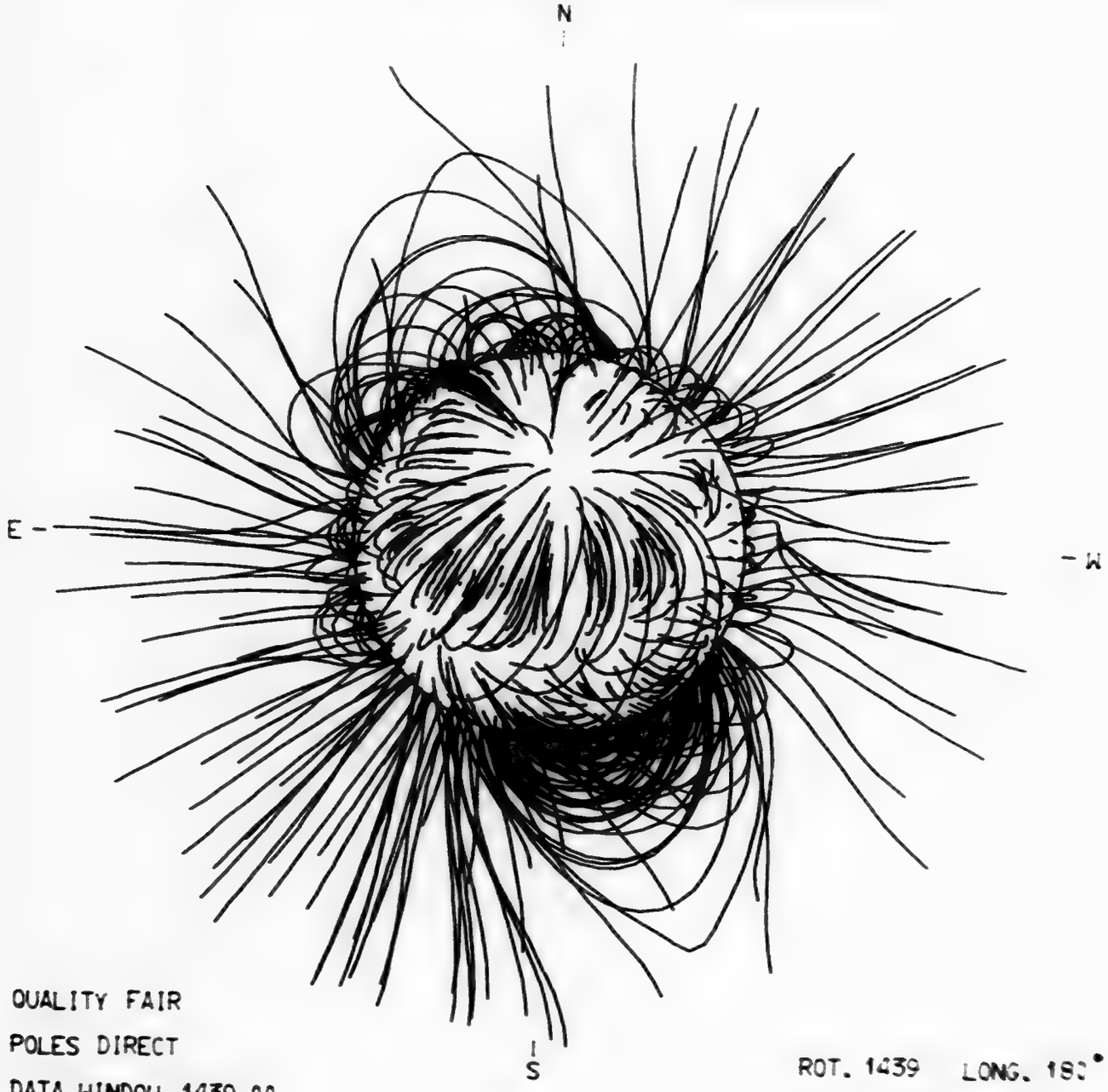
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 190°

12.8 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

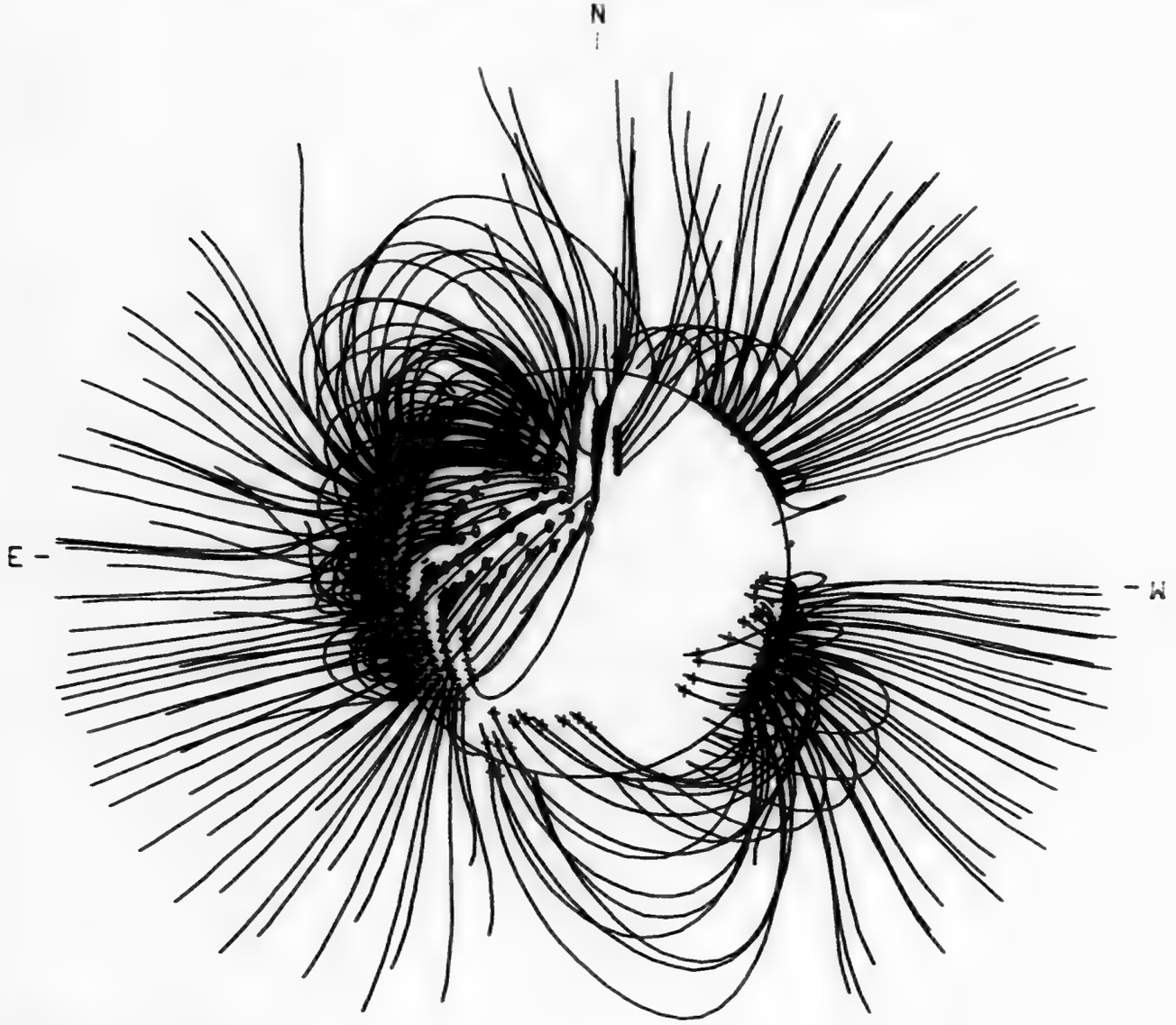
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 18[illegible]°

13.5 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

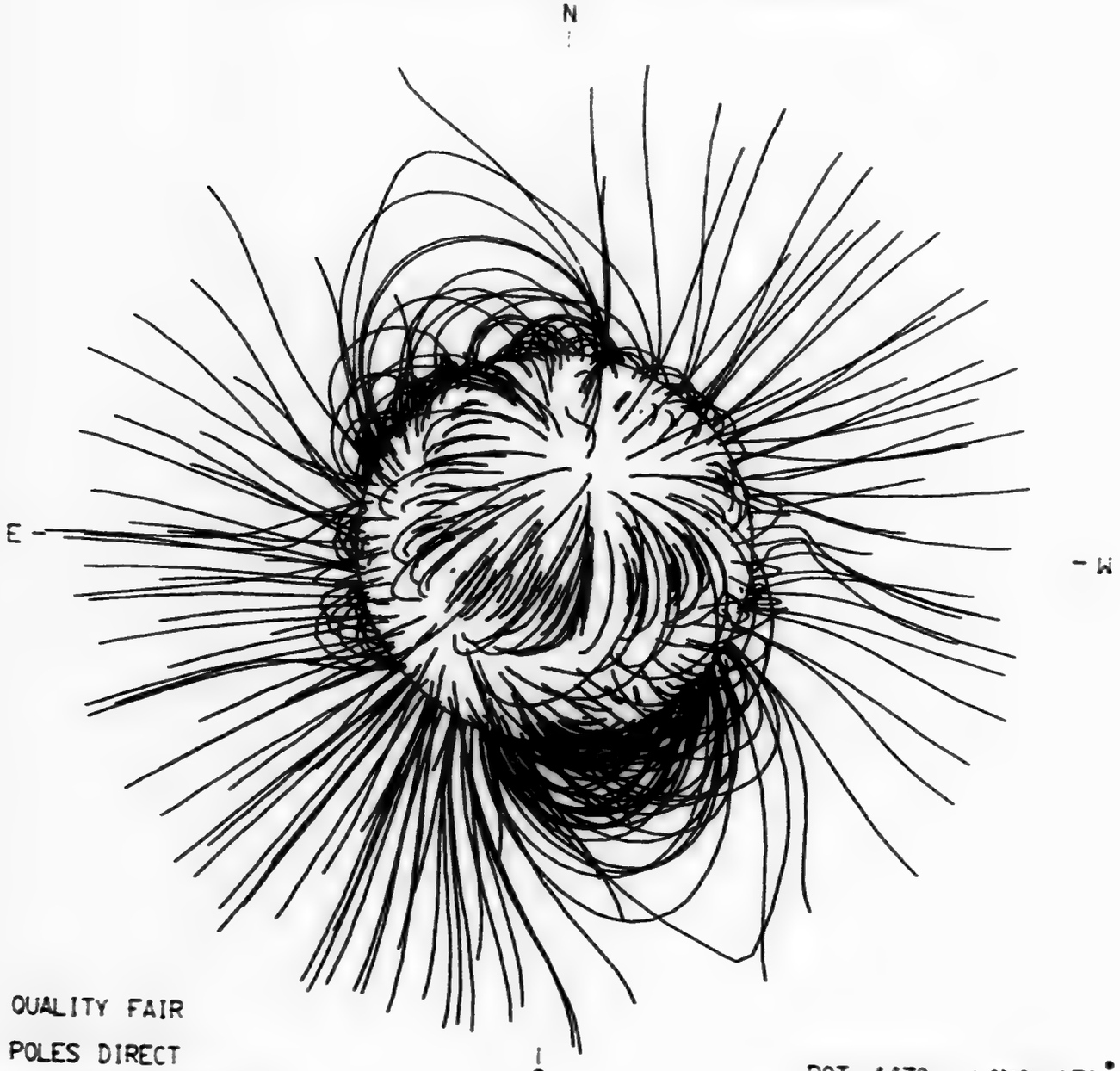
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 180°

13.5 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

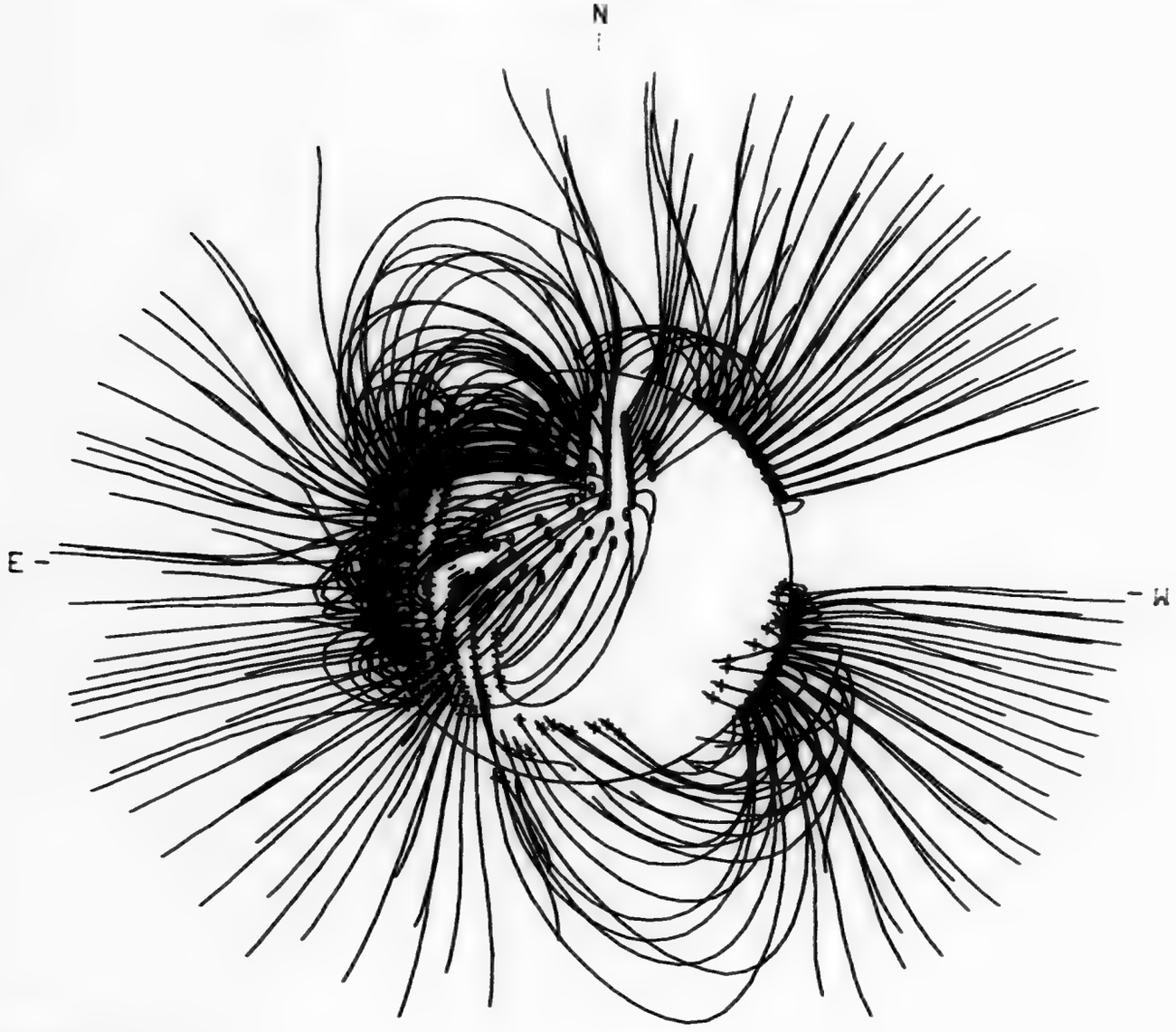
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 17?°

14.3 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

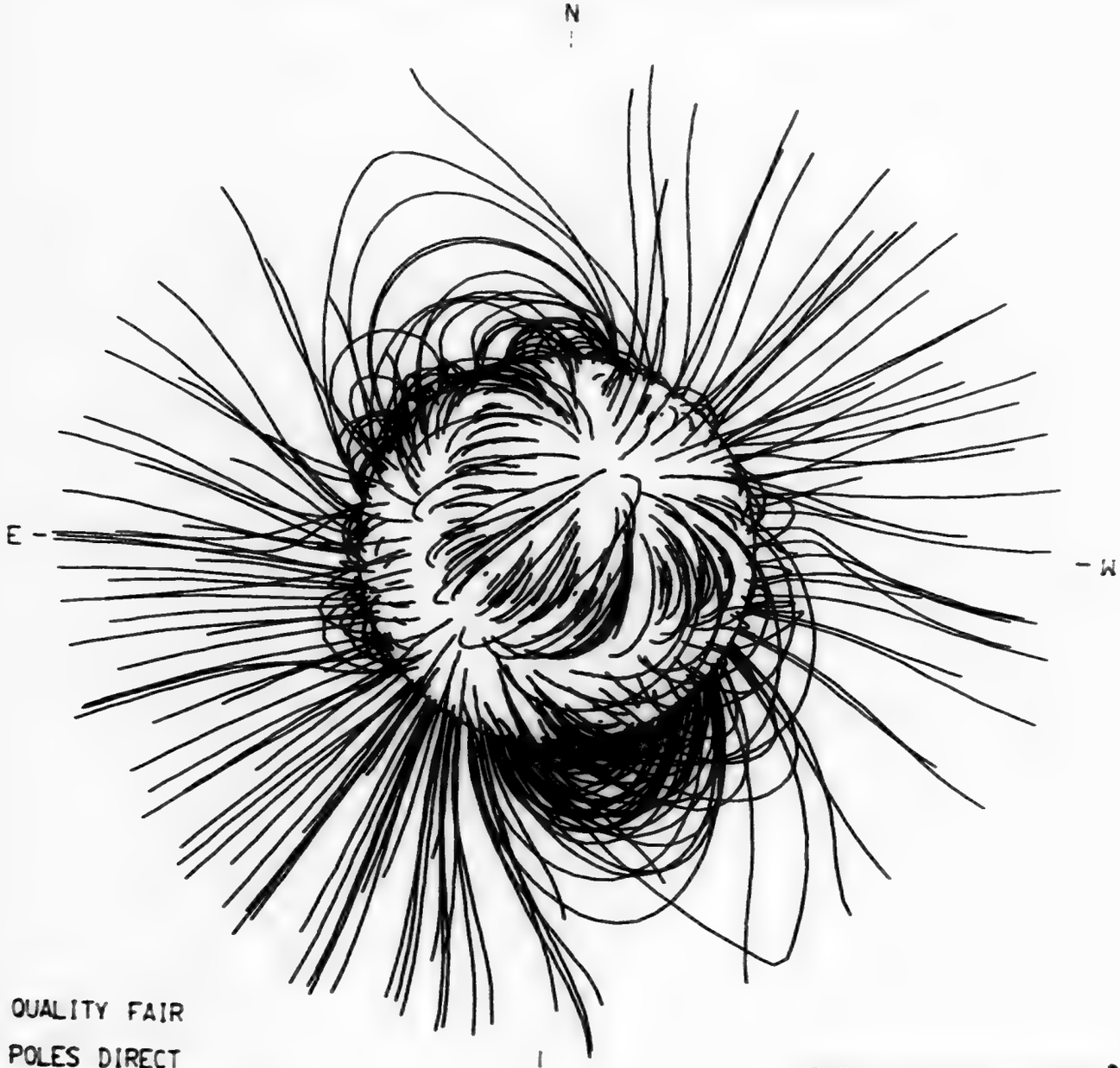
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 172°

14.3 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

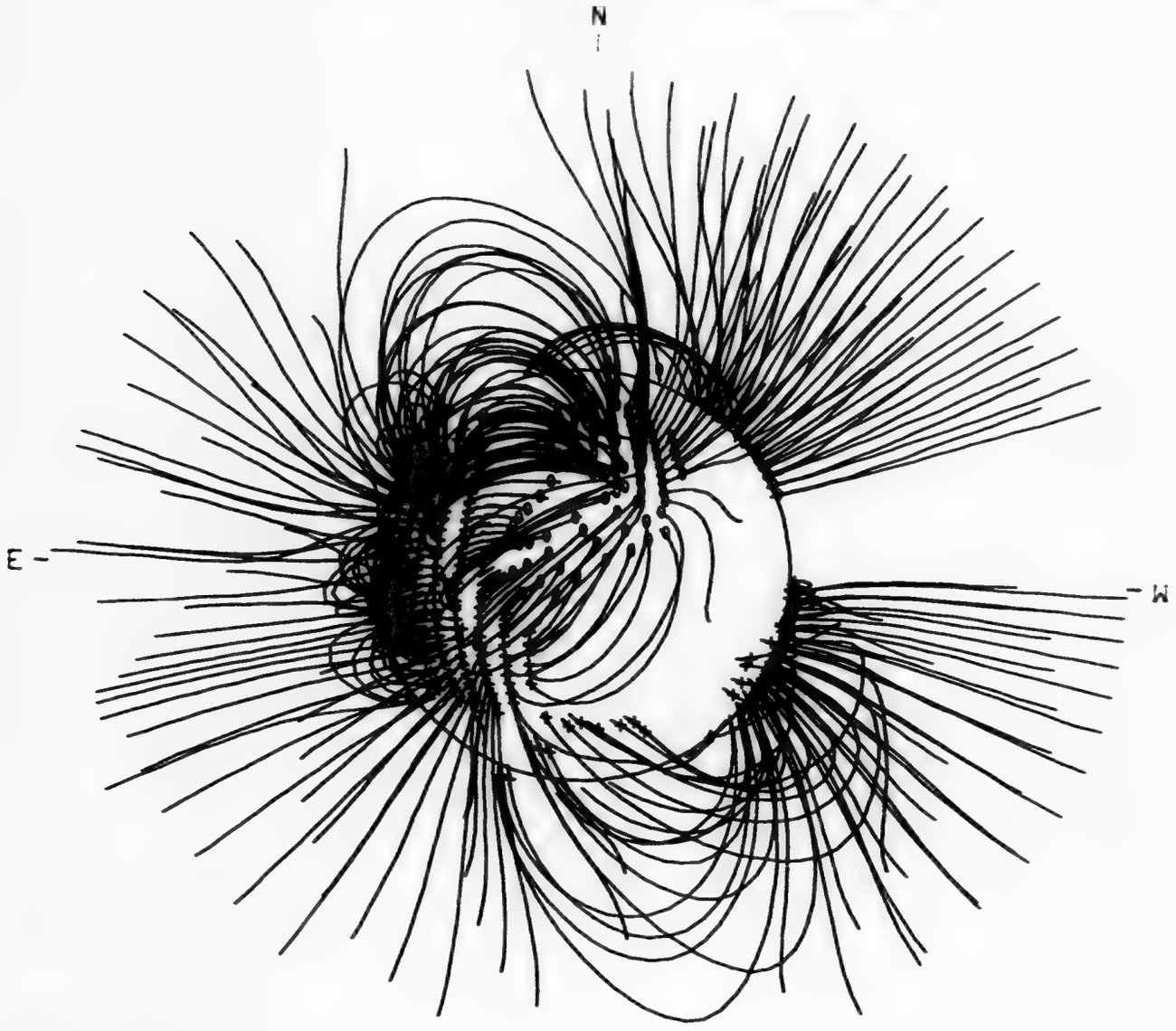
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 160°

15.0 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

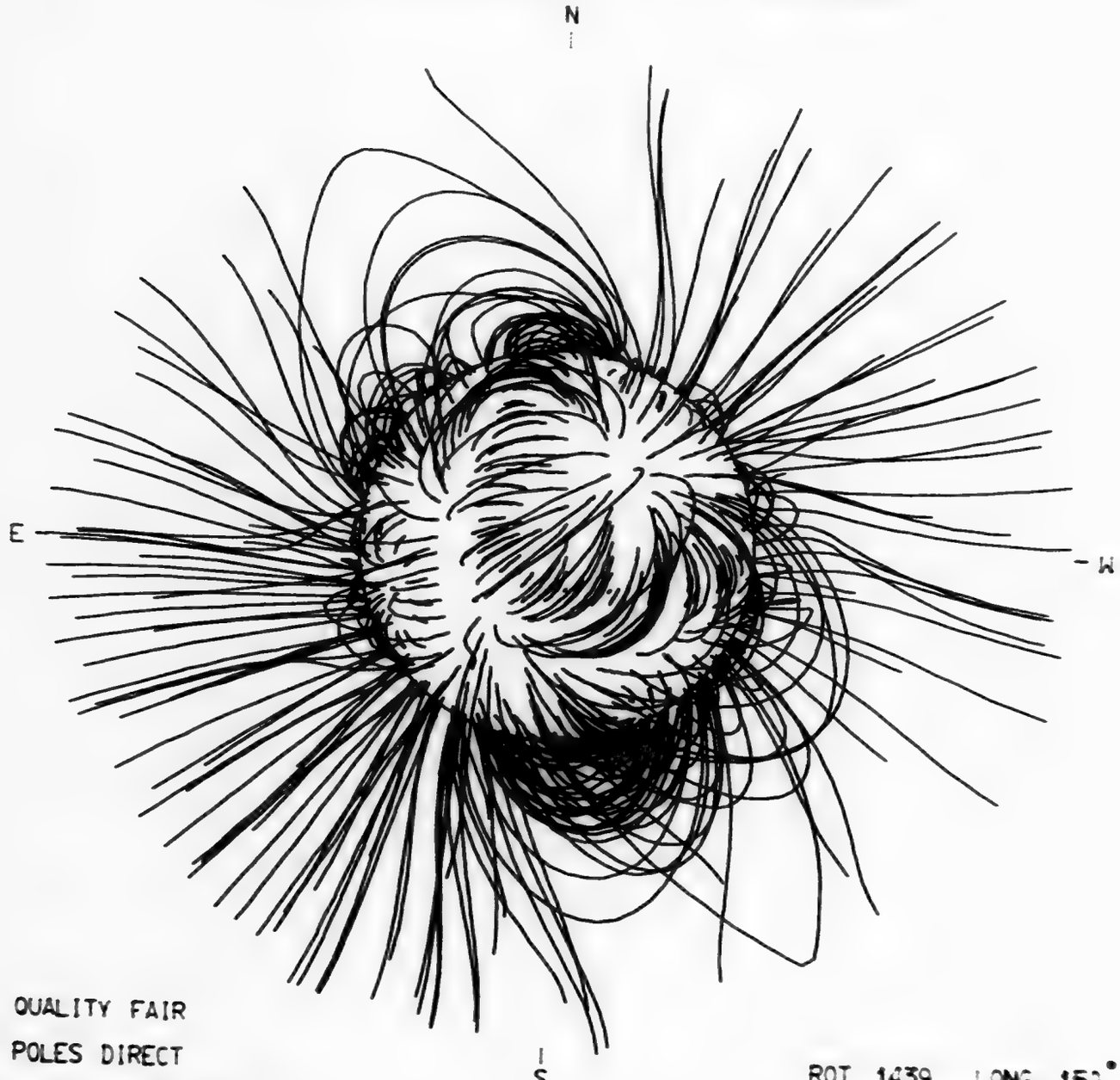
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 160°

15.0 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

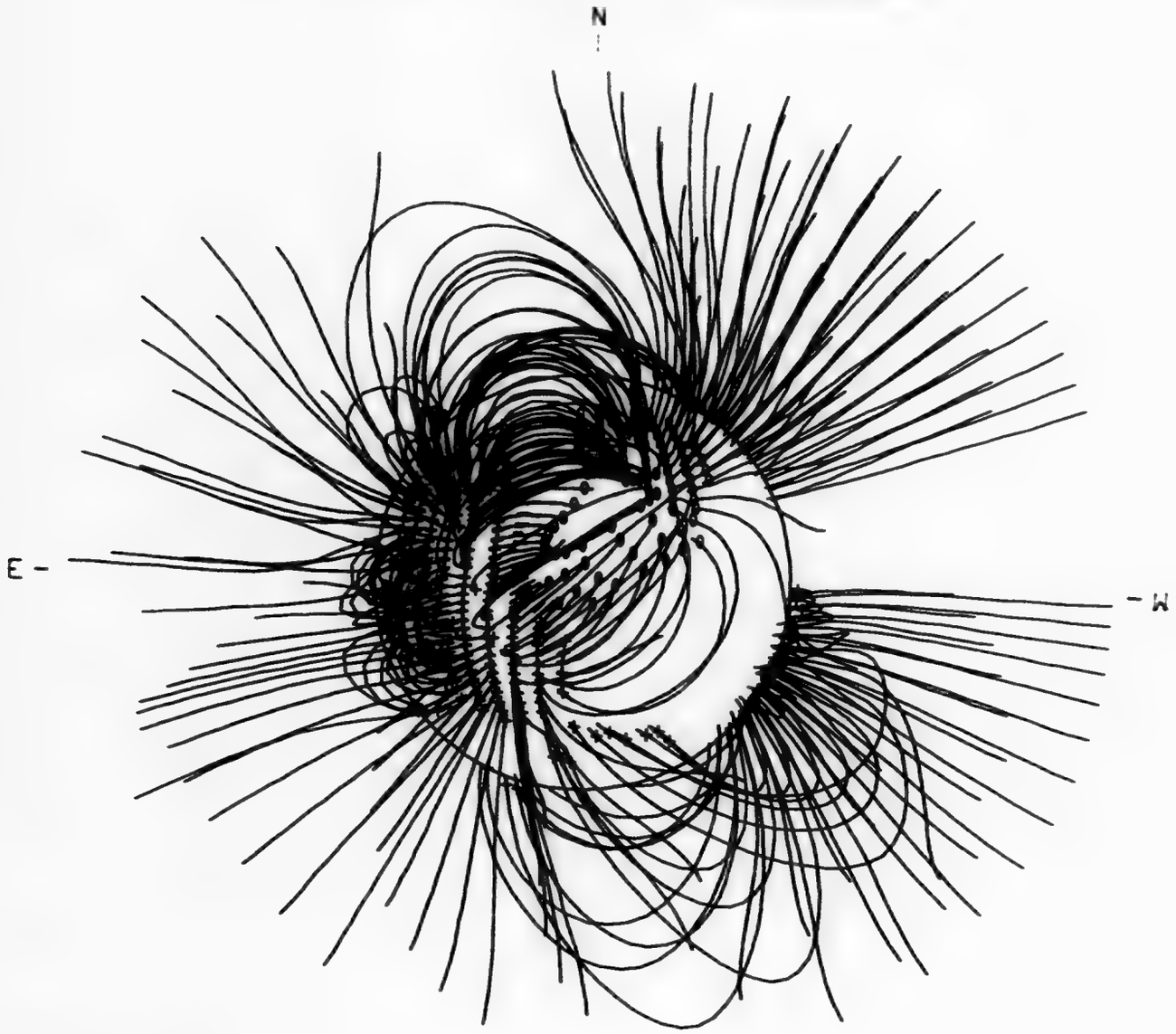
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 150°

15.8 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

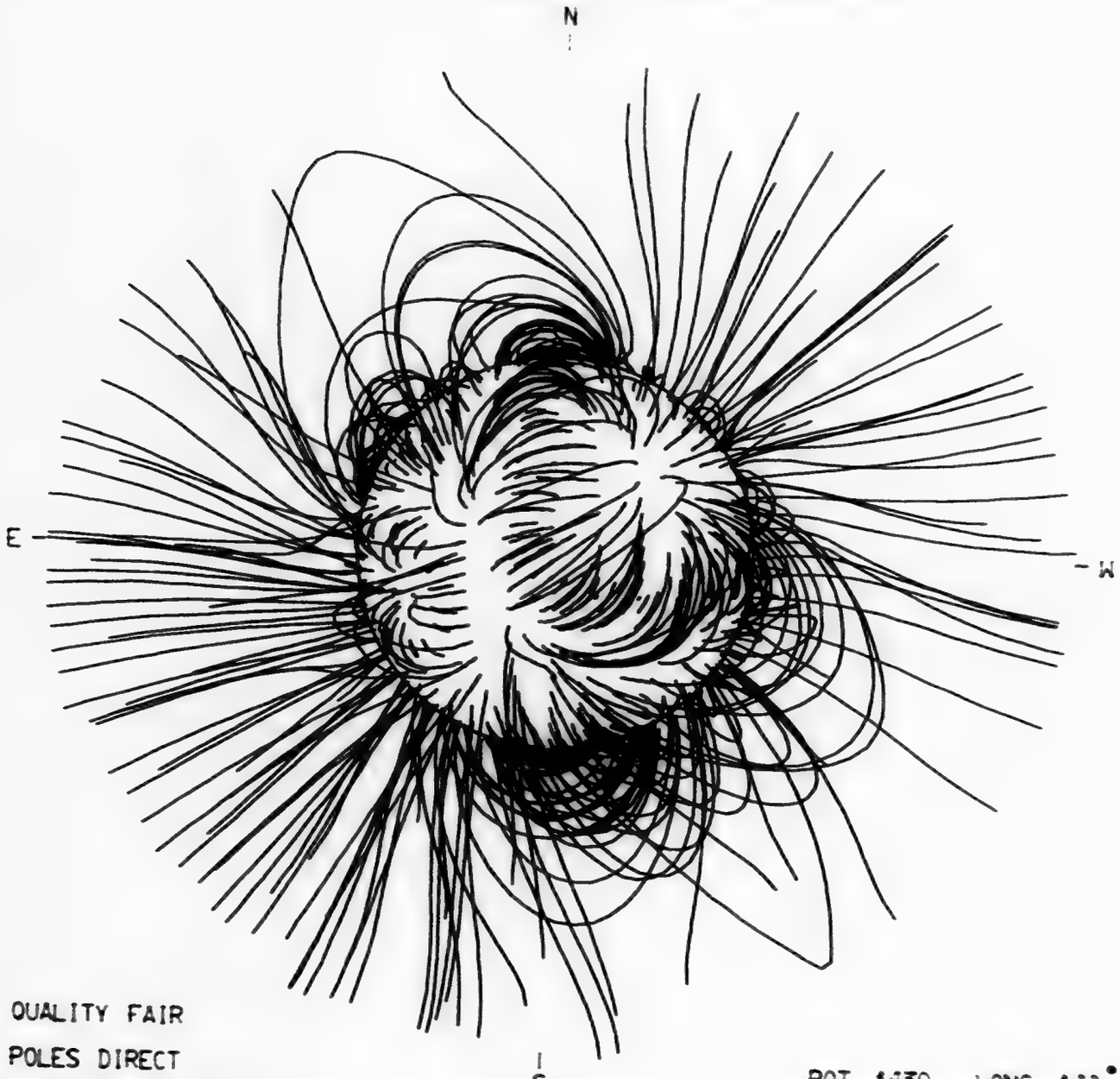
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 152°

15.8 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

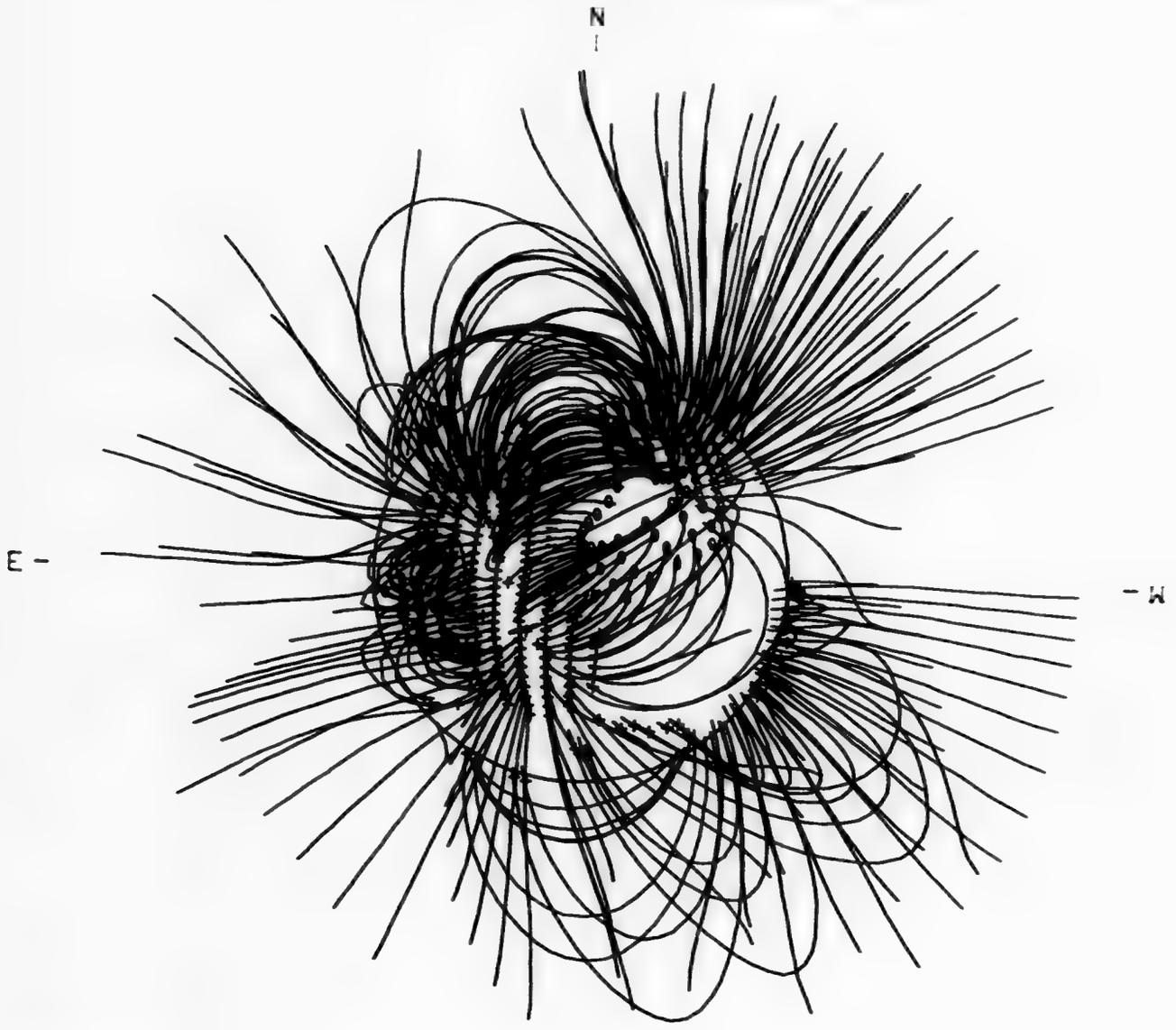
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 120°

16.6 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

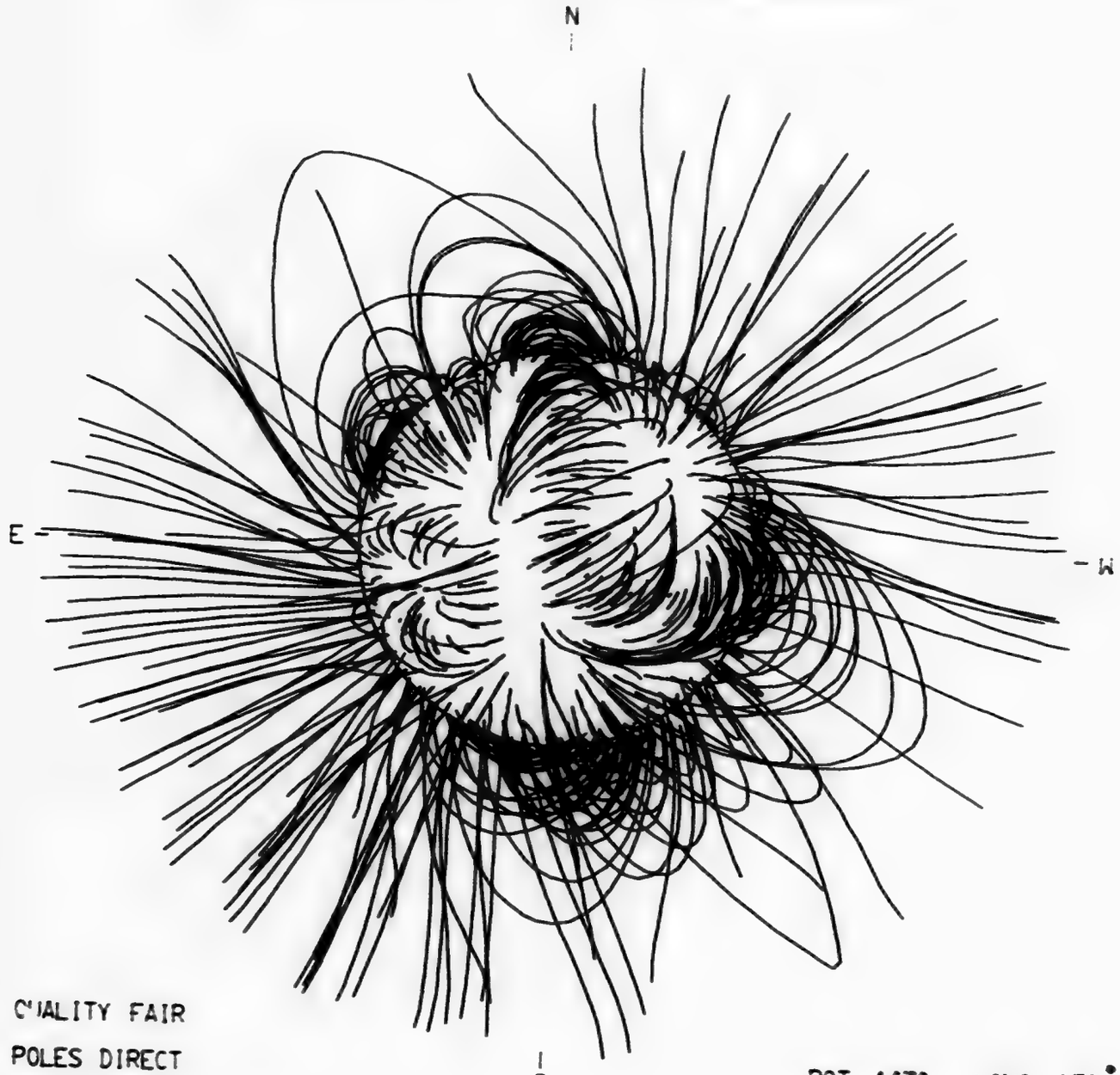
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 143°

16.6 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

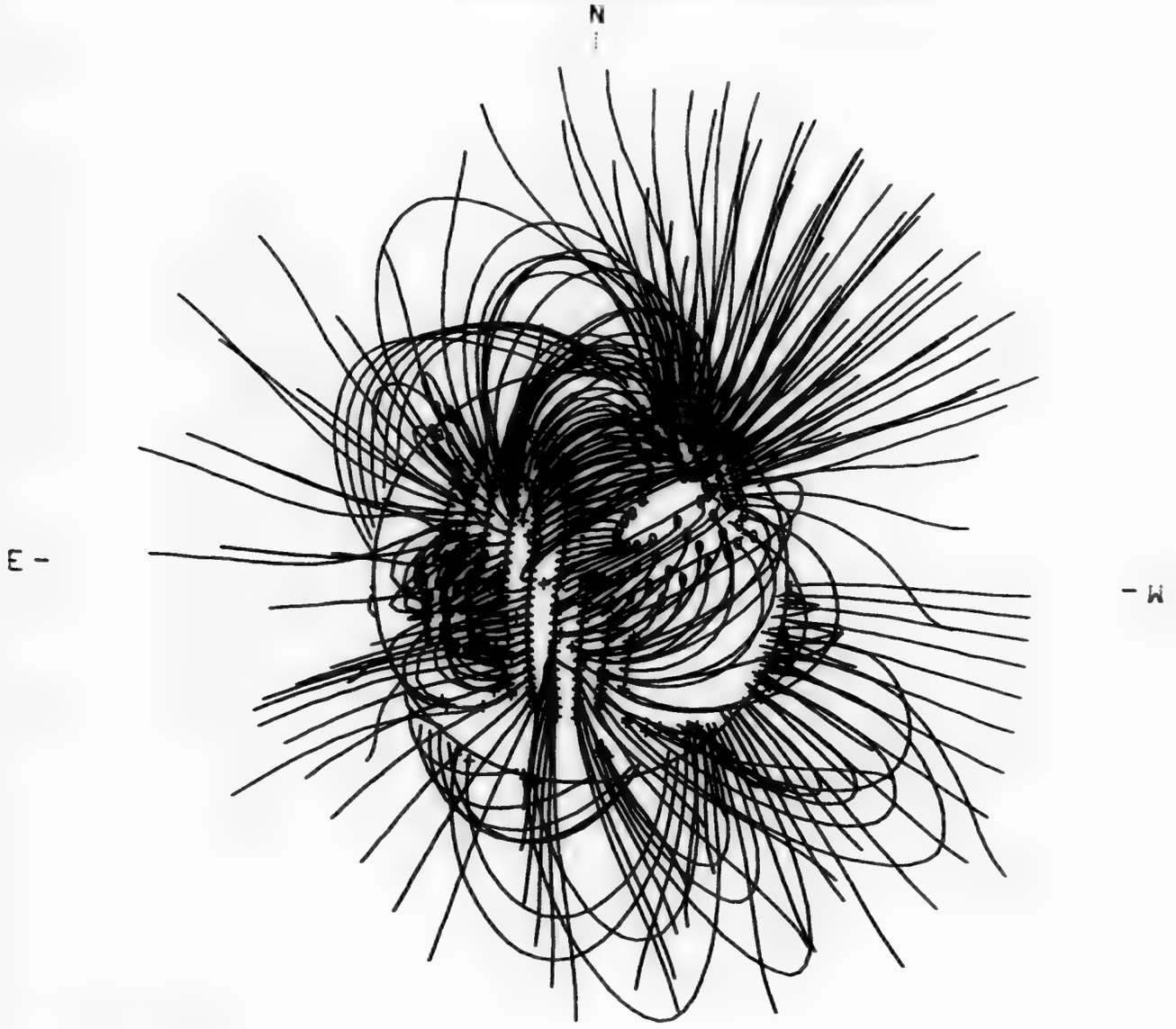
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 13[illegible]°

17.3 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

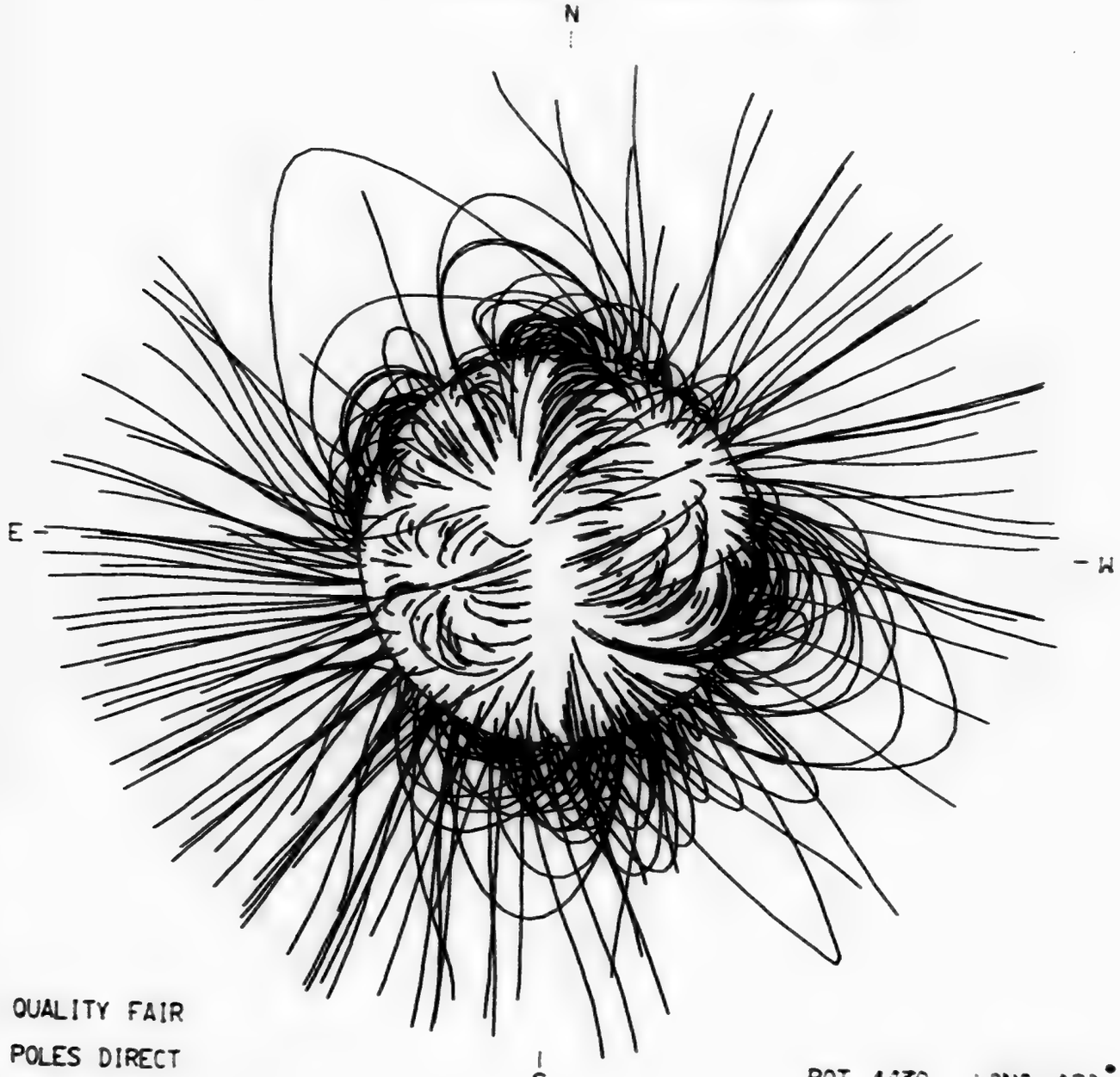
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 130°

17.3 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1439.00

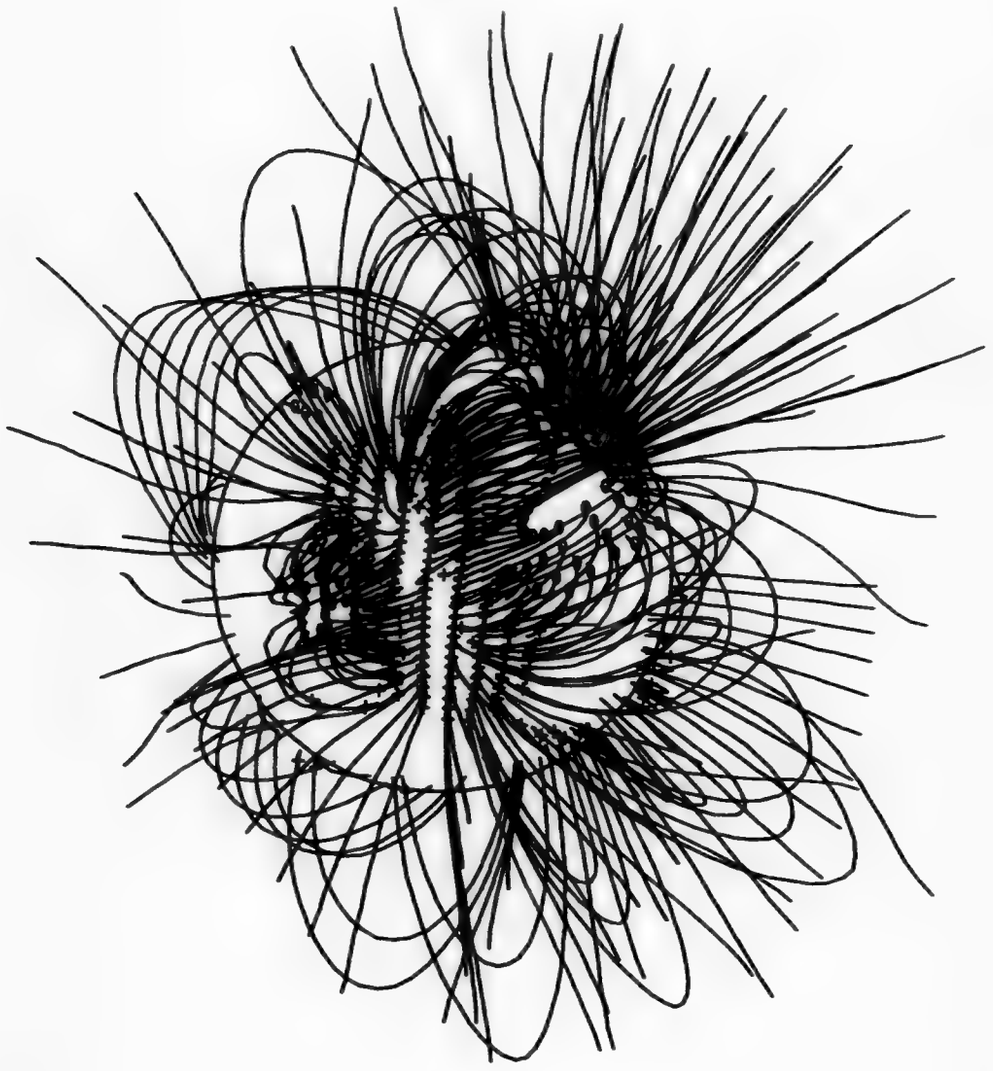
ROT. 1439 LONG. 120°

18.1 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY FAIR

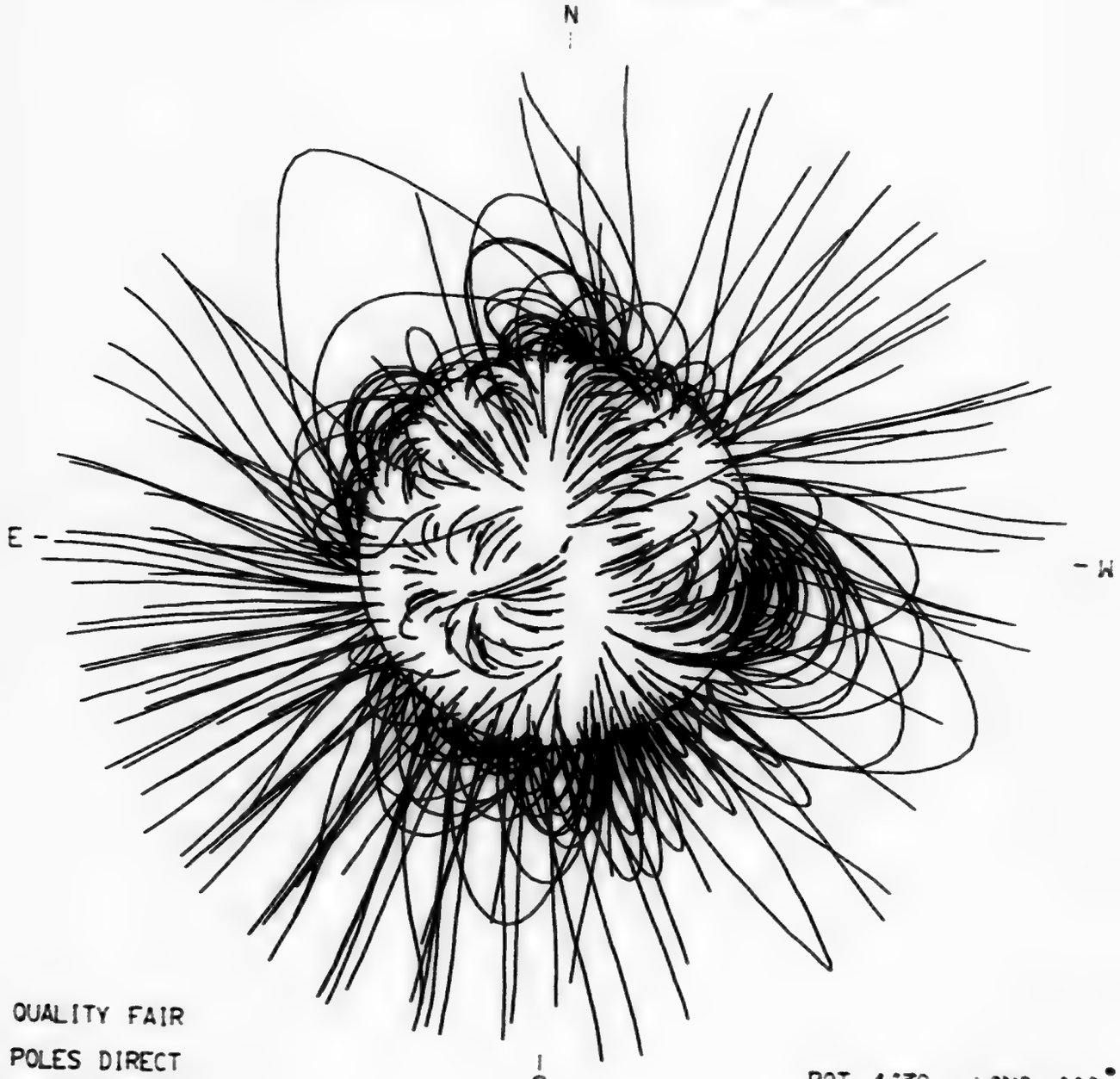
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 12[illegible]°

18.1 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

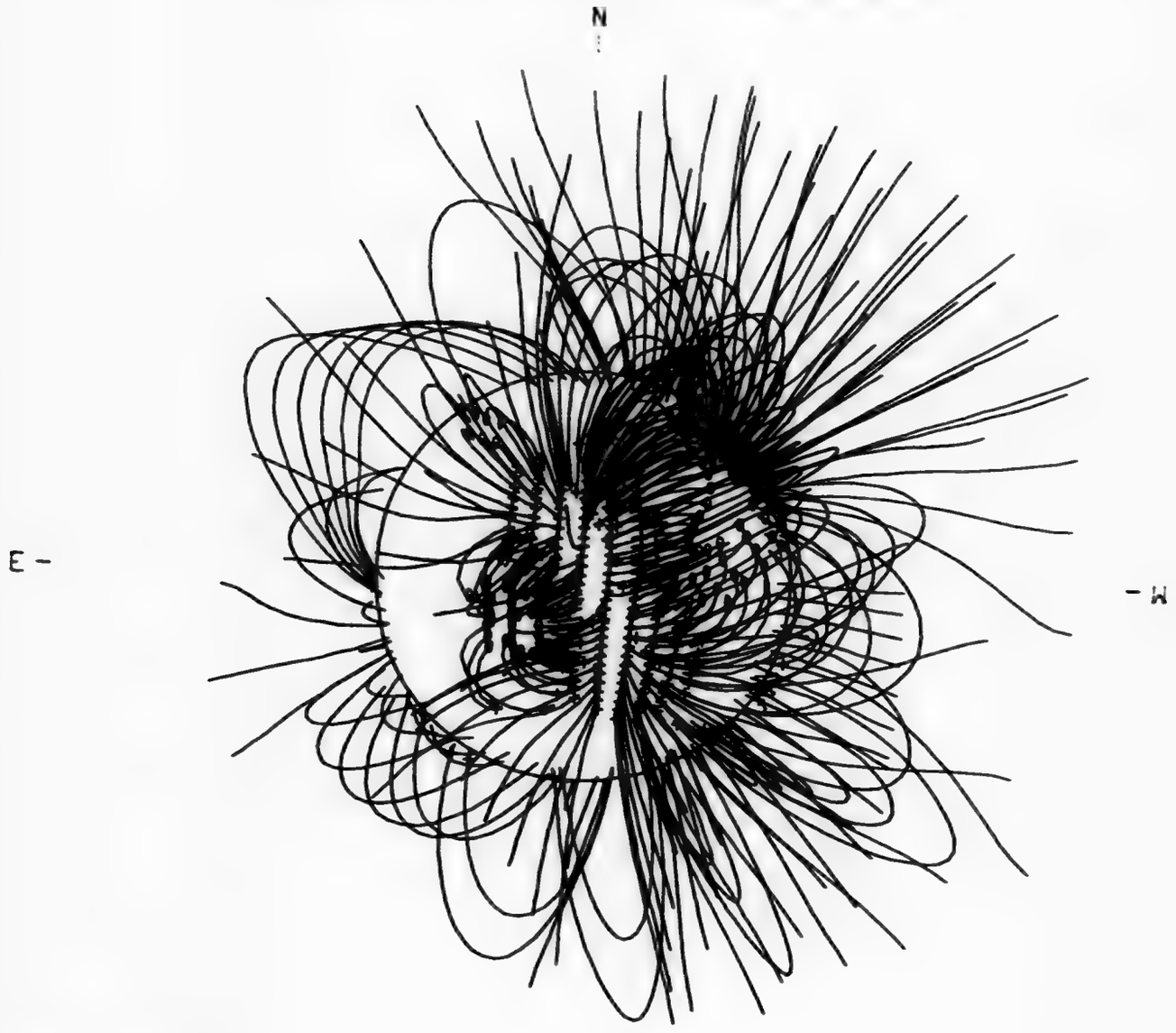
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 113°

18.8 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

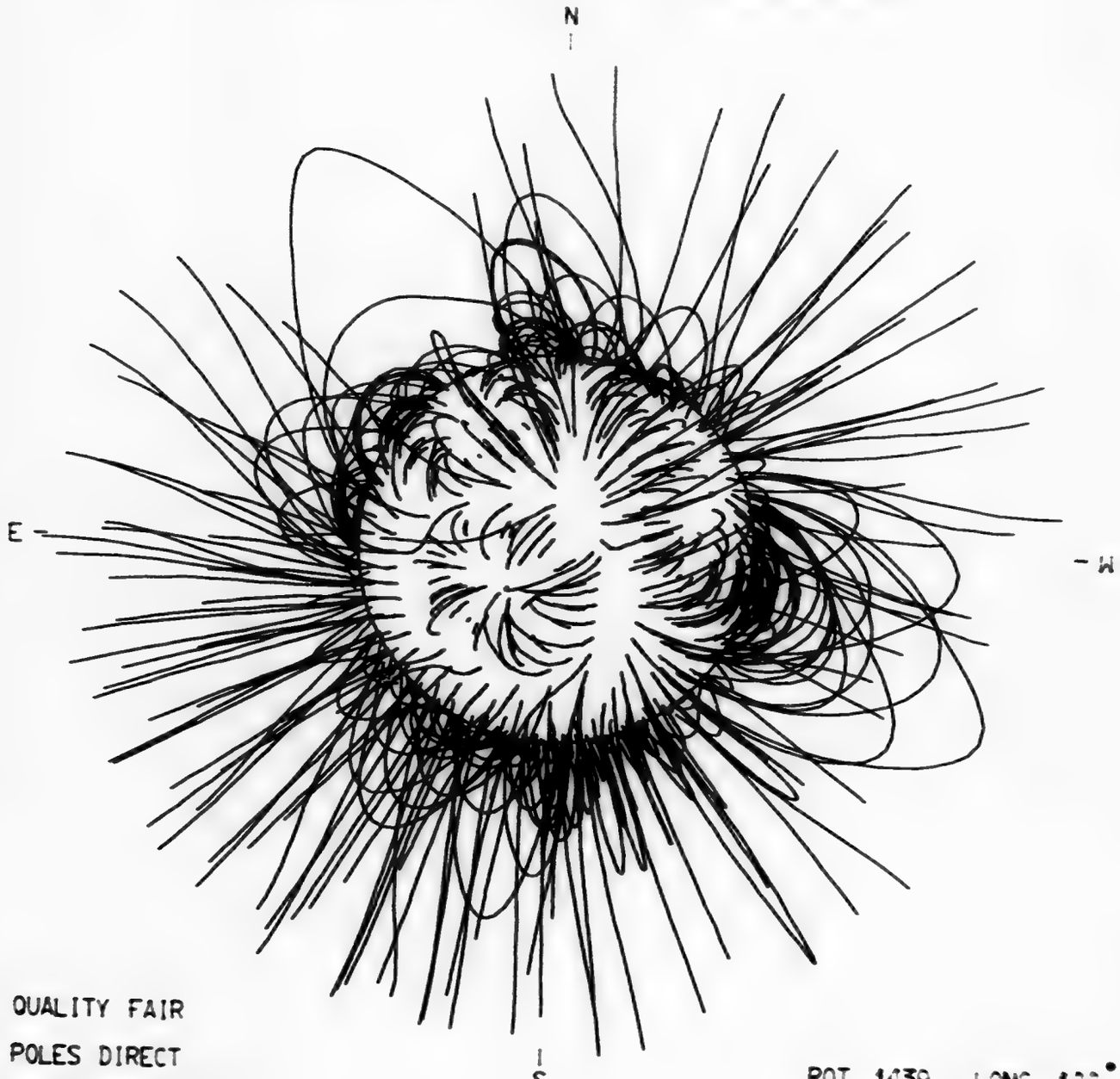
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 11?°

18.8 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1439.00

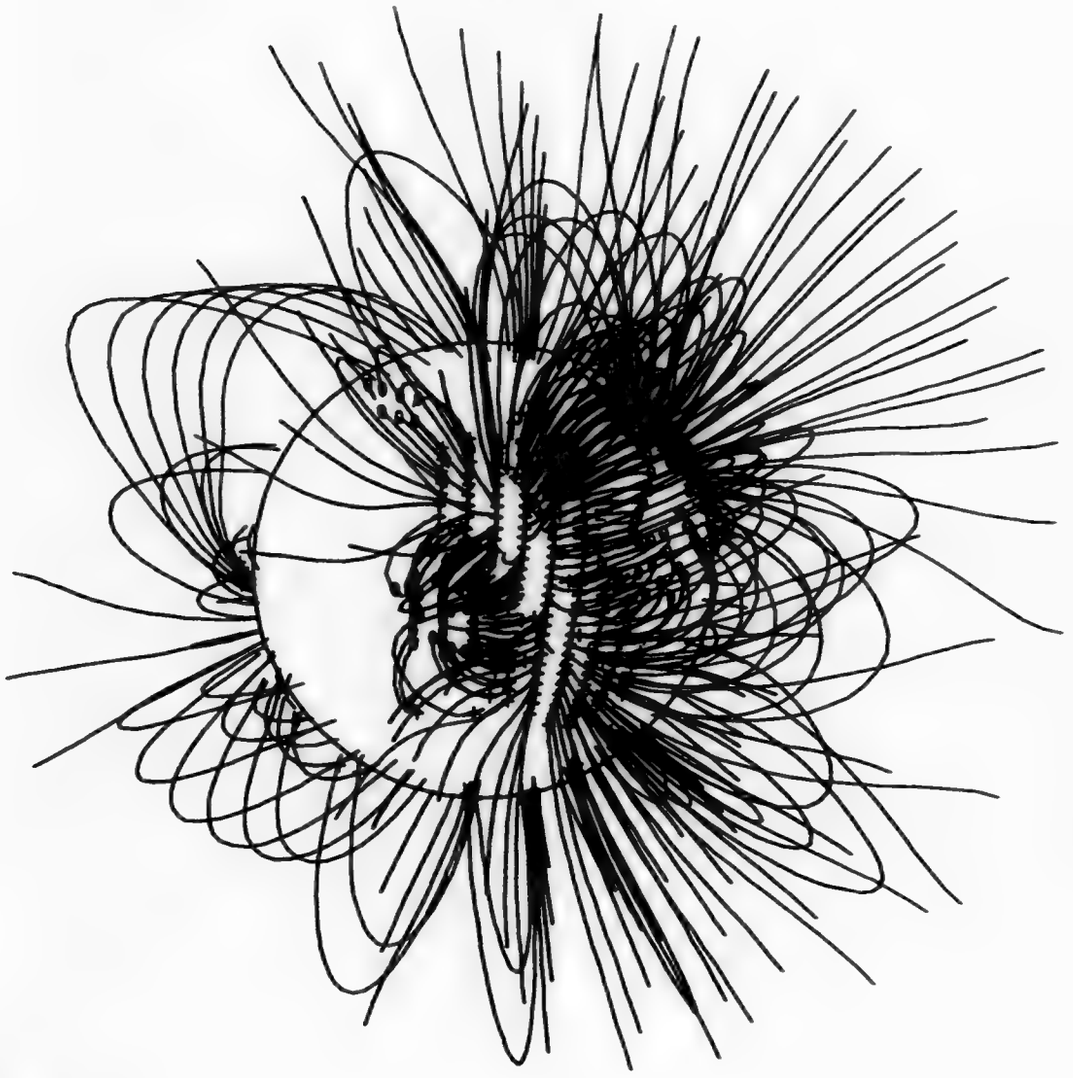
ROT. 1439 LONG. 100°

19.6 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY FAIR

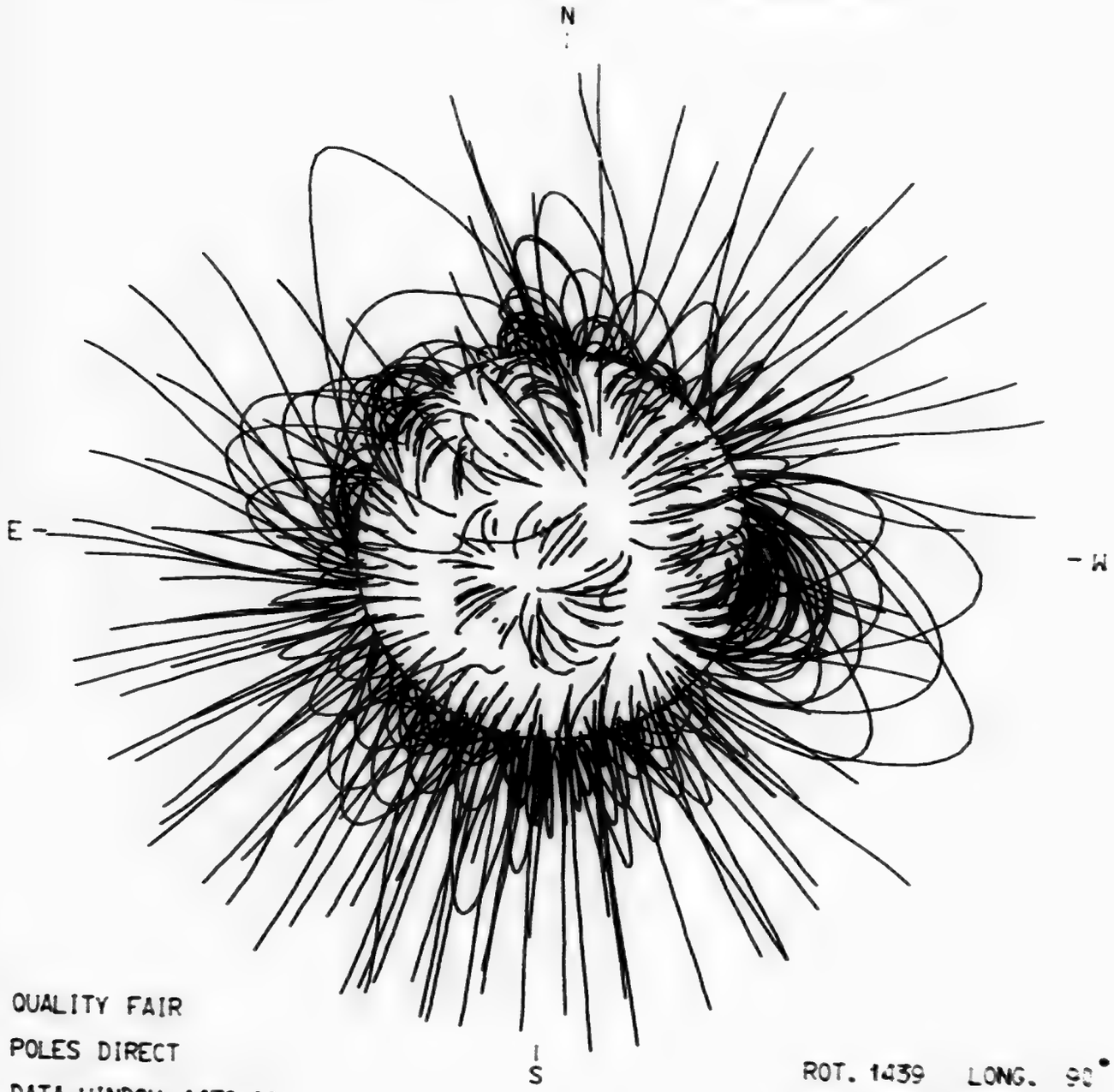
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 100°

19.6 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

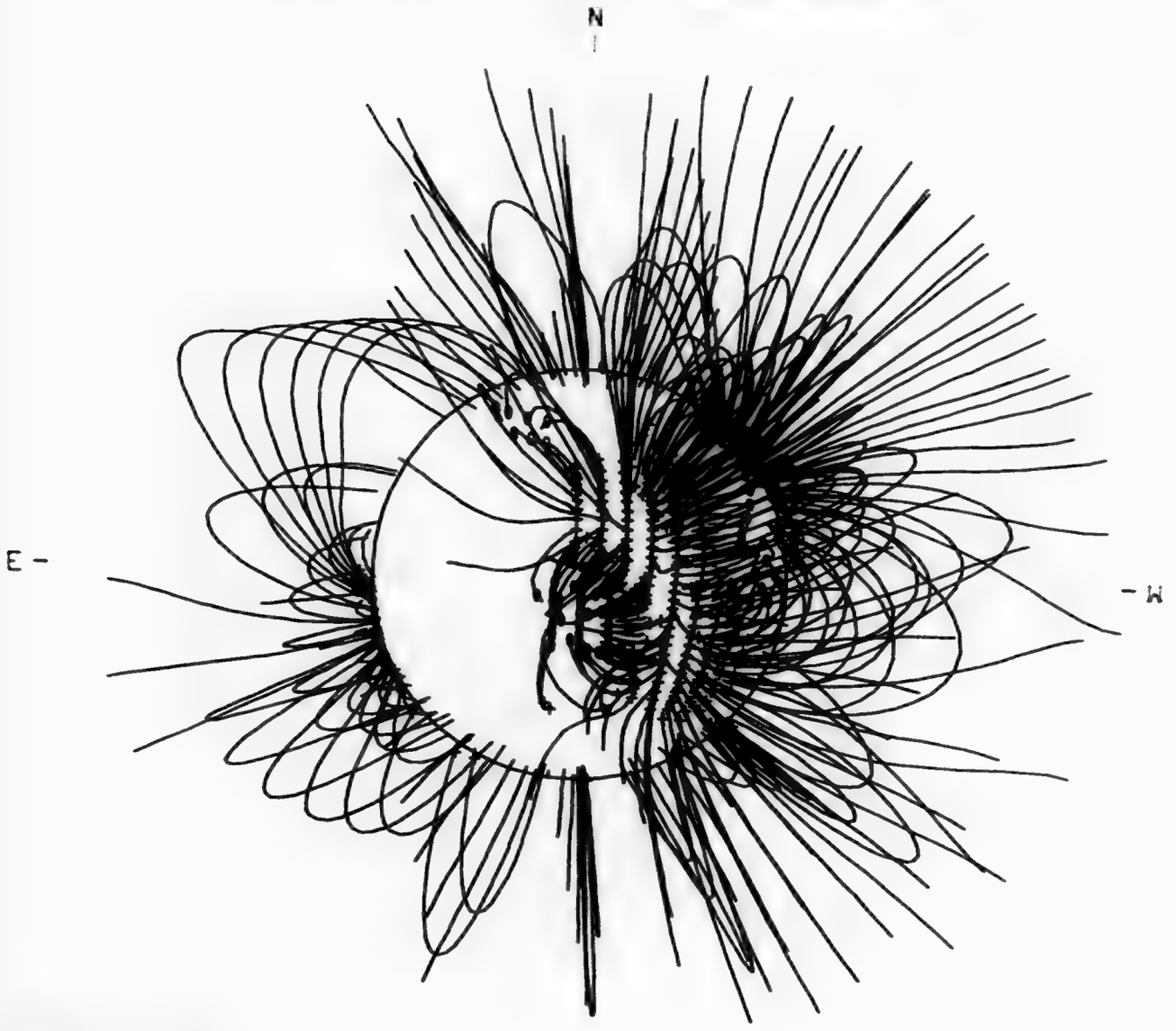
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 90°

20.4 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

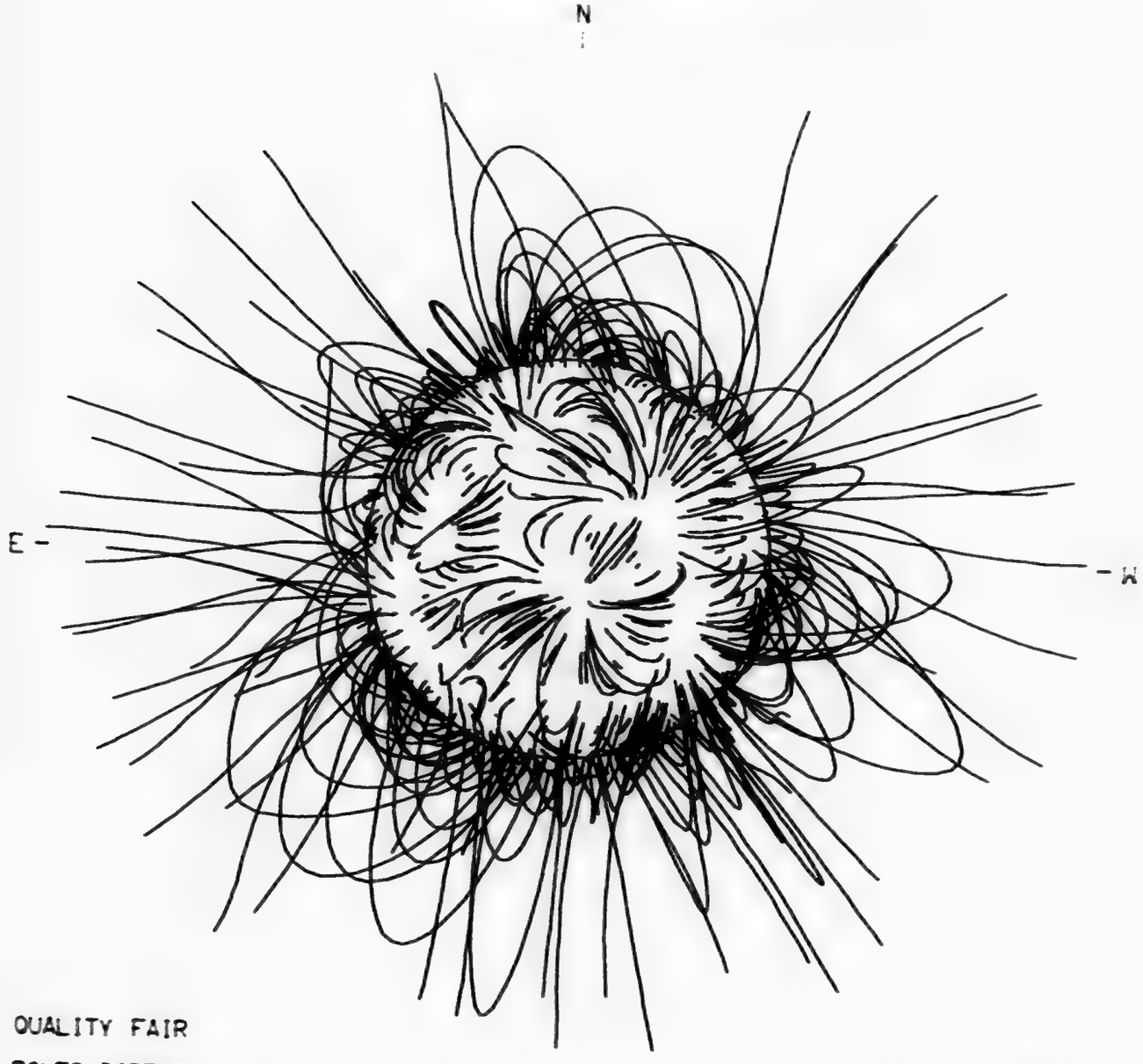
POLES DIRECT

DATA WINDOW 1439.00

ROT. 1439 LONG. 90°

20.4 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1439.47

ROT. 1439 LONG. 8[illegible]°

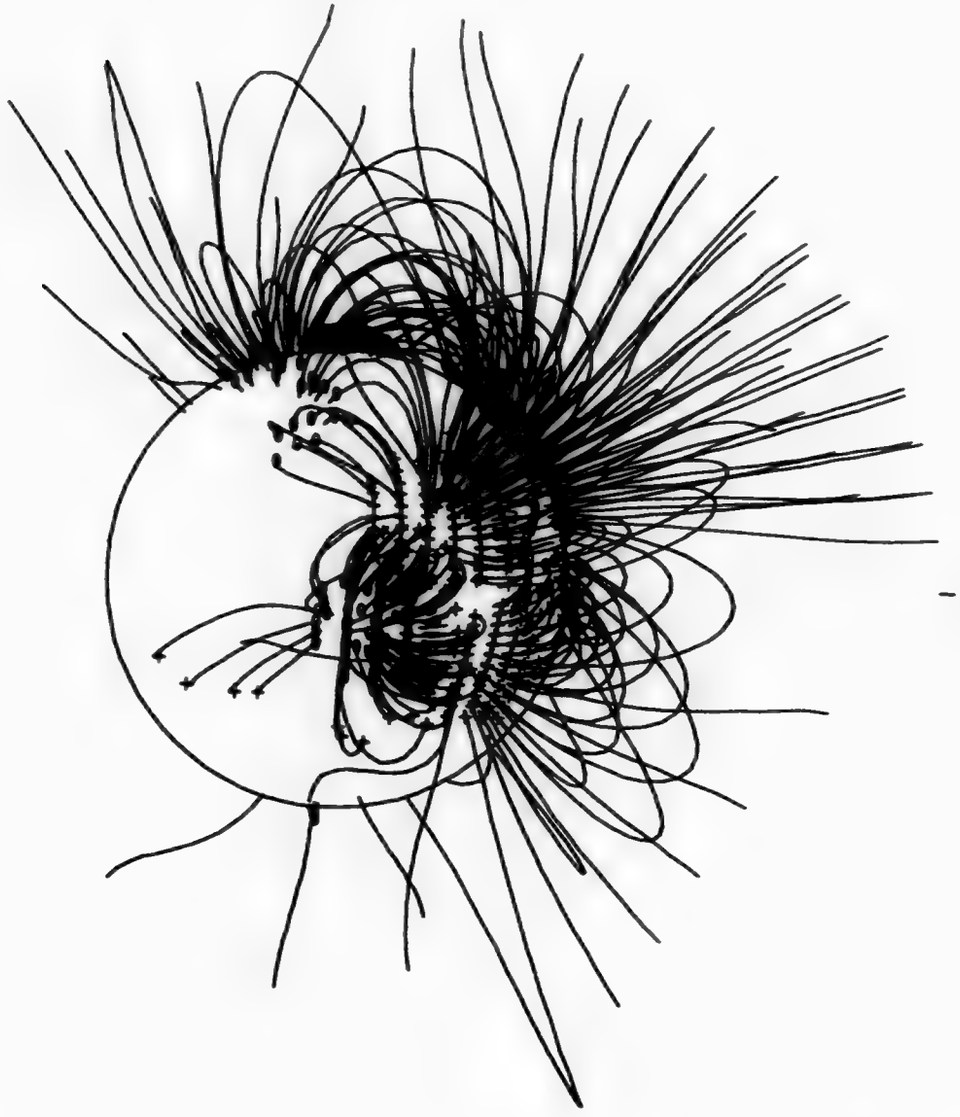
21.1 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E –

– W



S

QUALITY FAIR

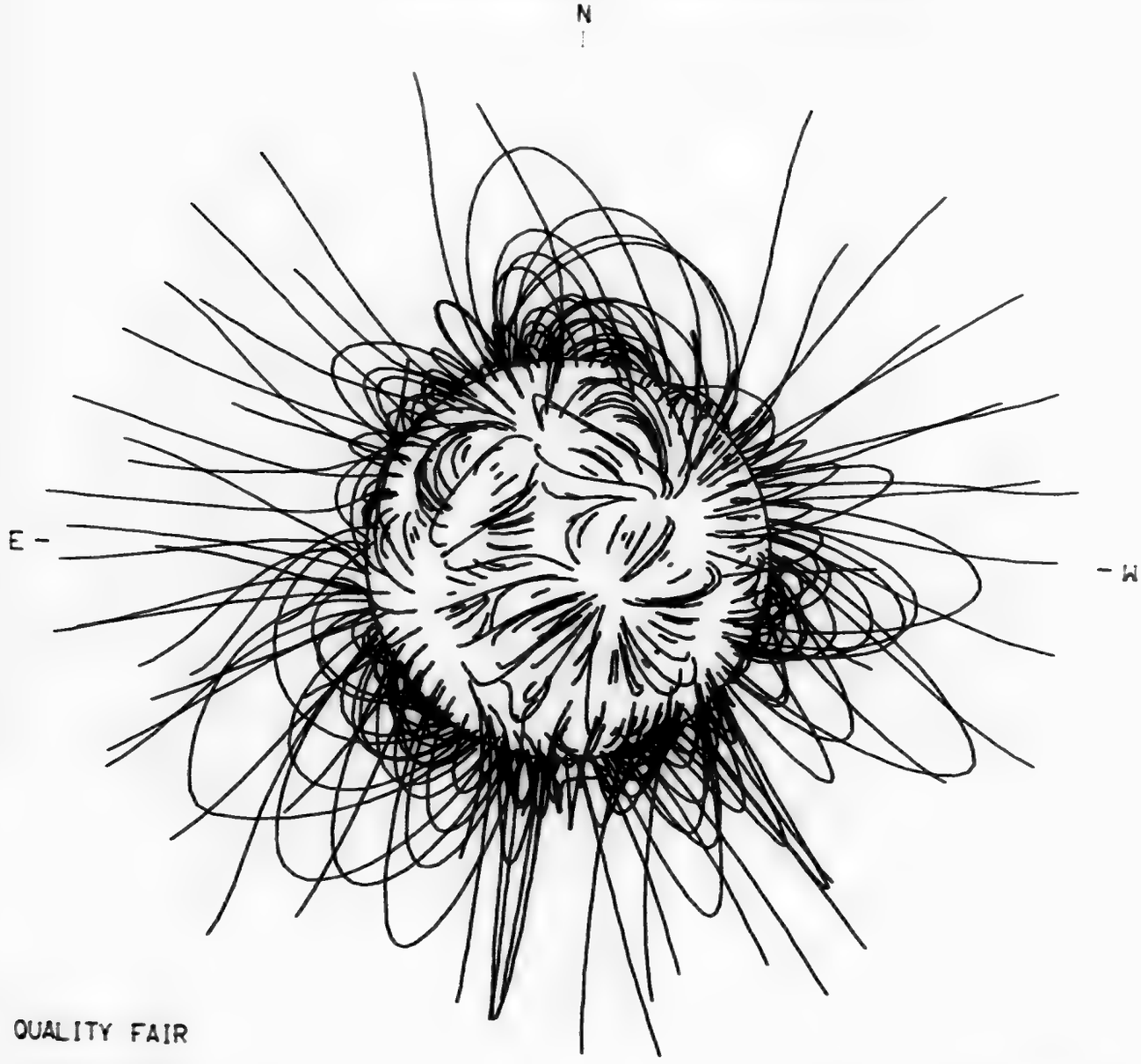
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1439 LONG. 83°

21.1 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

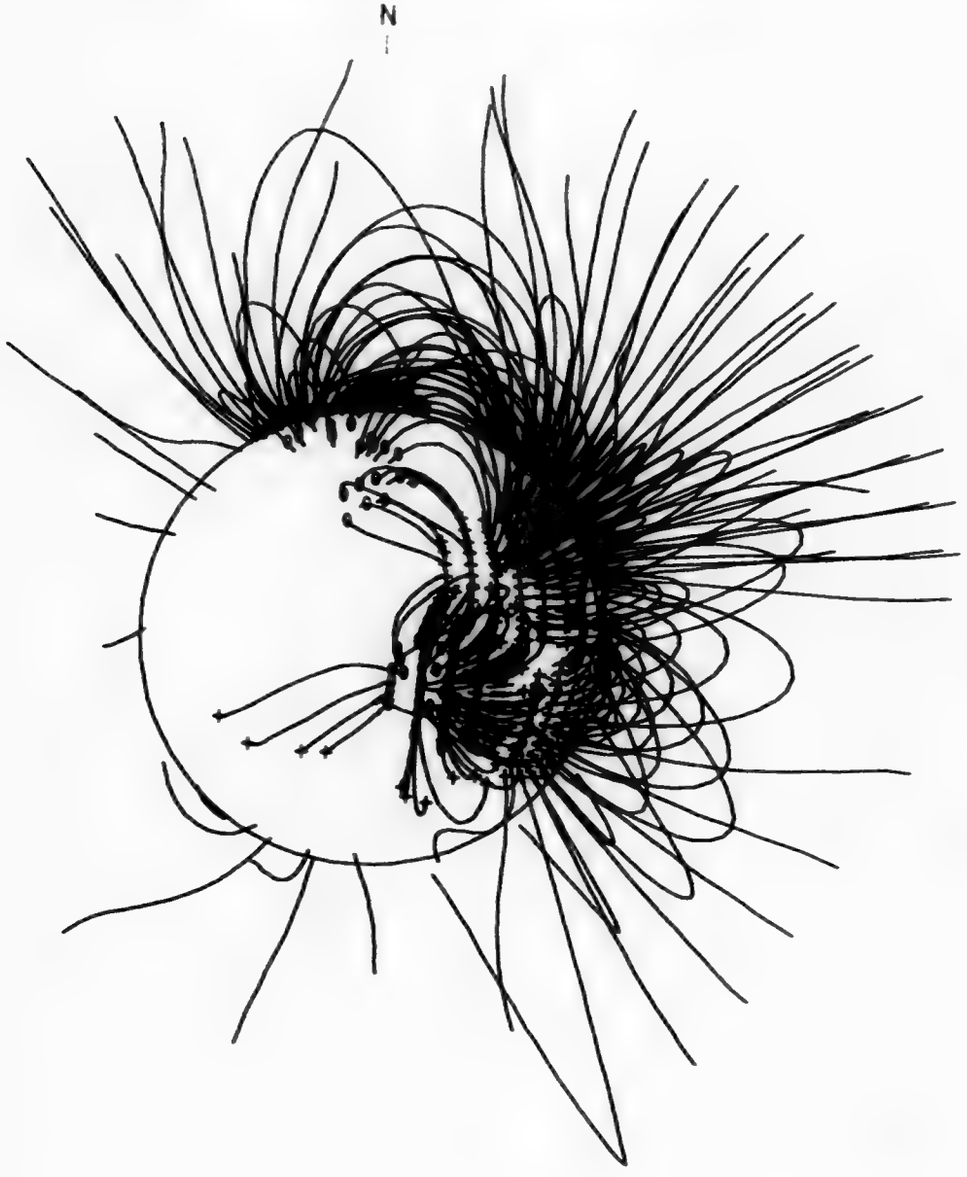
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1439 LONG. 70°

21.9 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1439.47

ROT. 1439 LONG. 72°

21.9 APR 1961

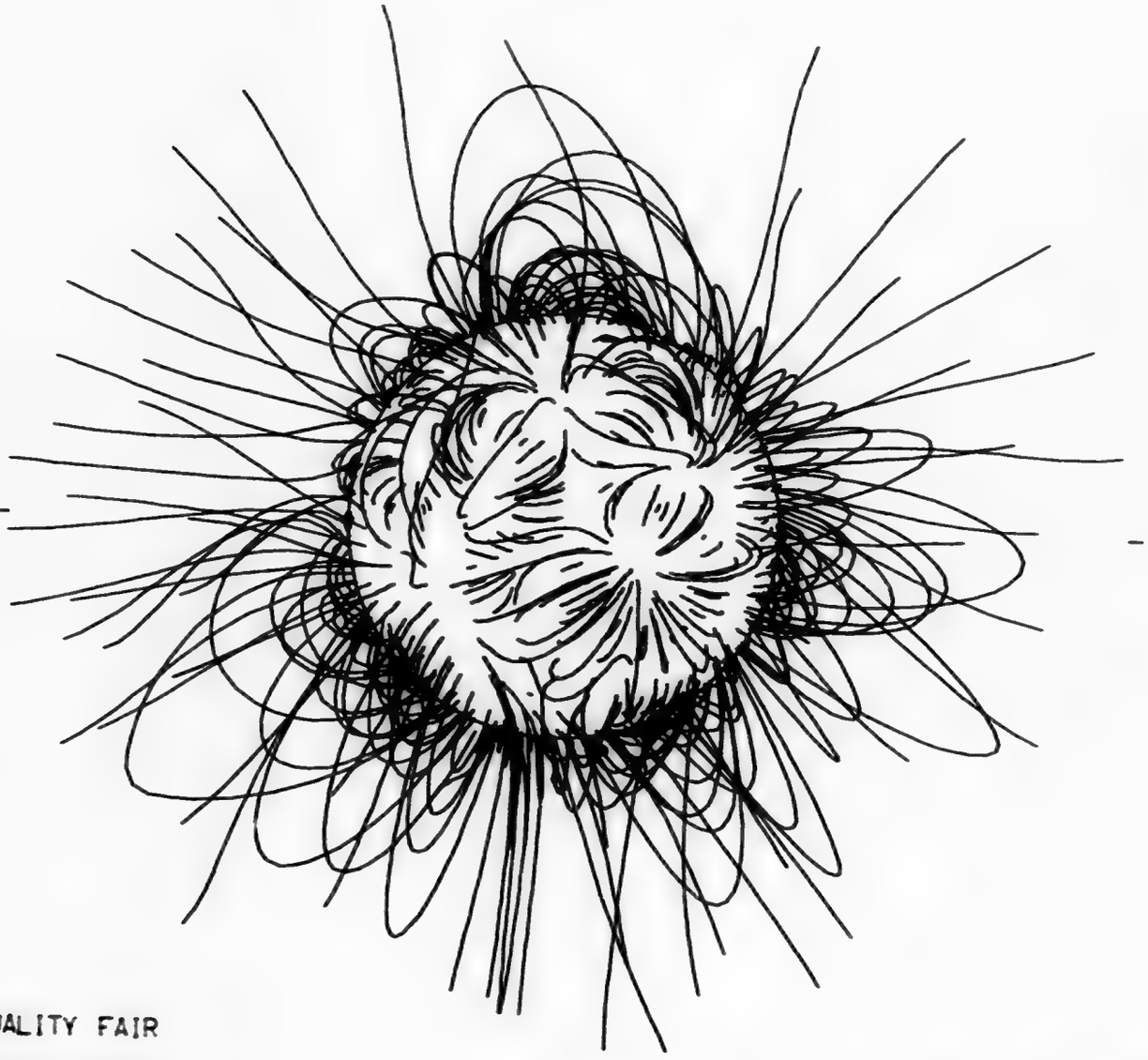
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E

W

S



QUALITY FAIR

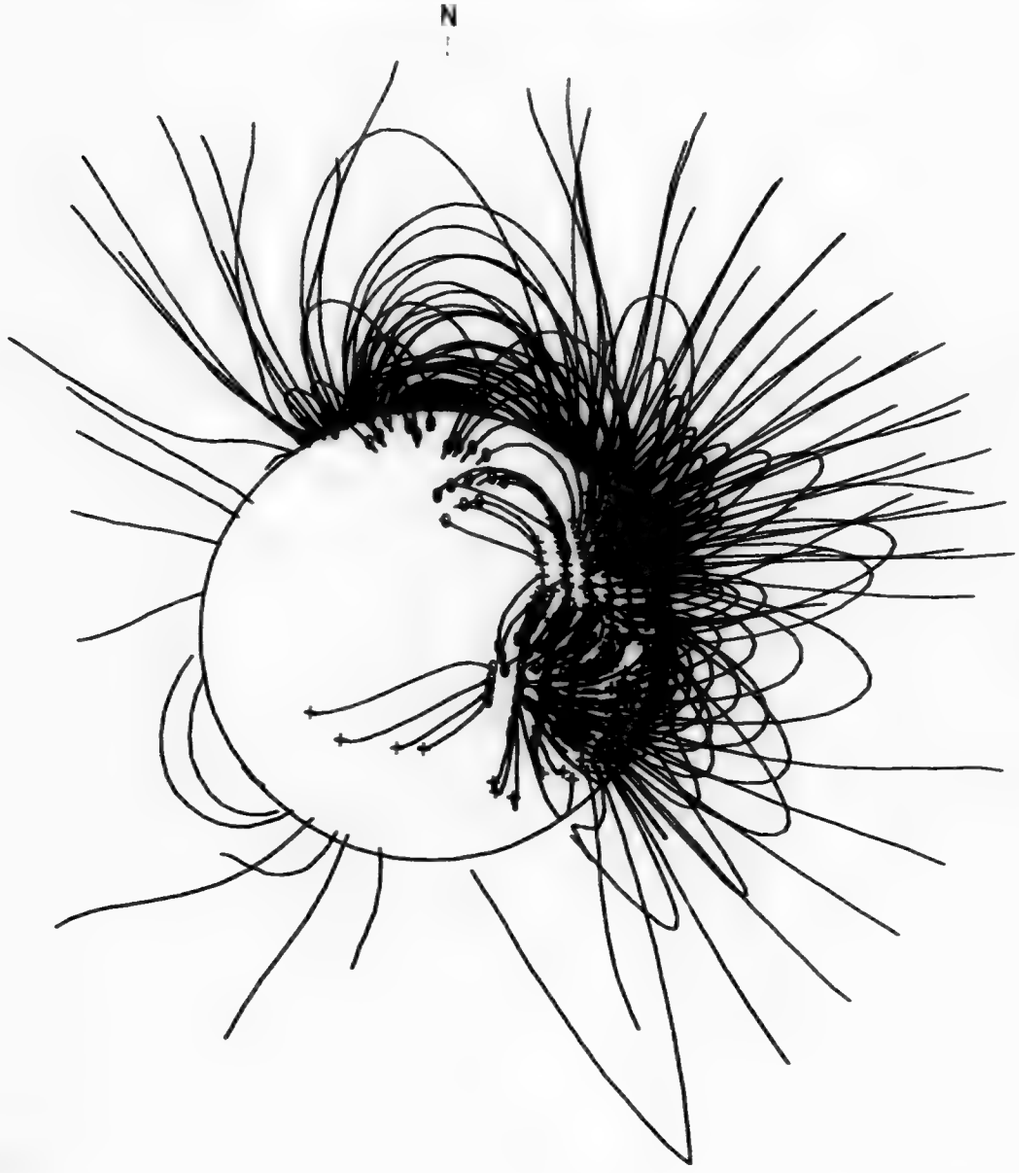
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1439 LONG. 60°

22.6 APR 1961

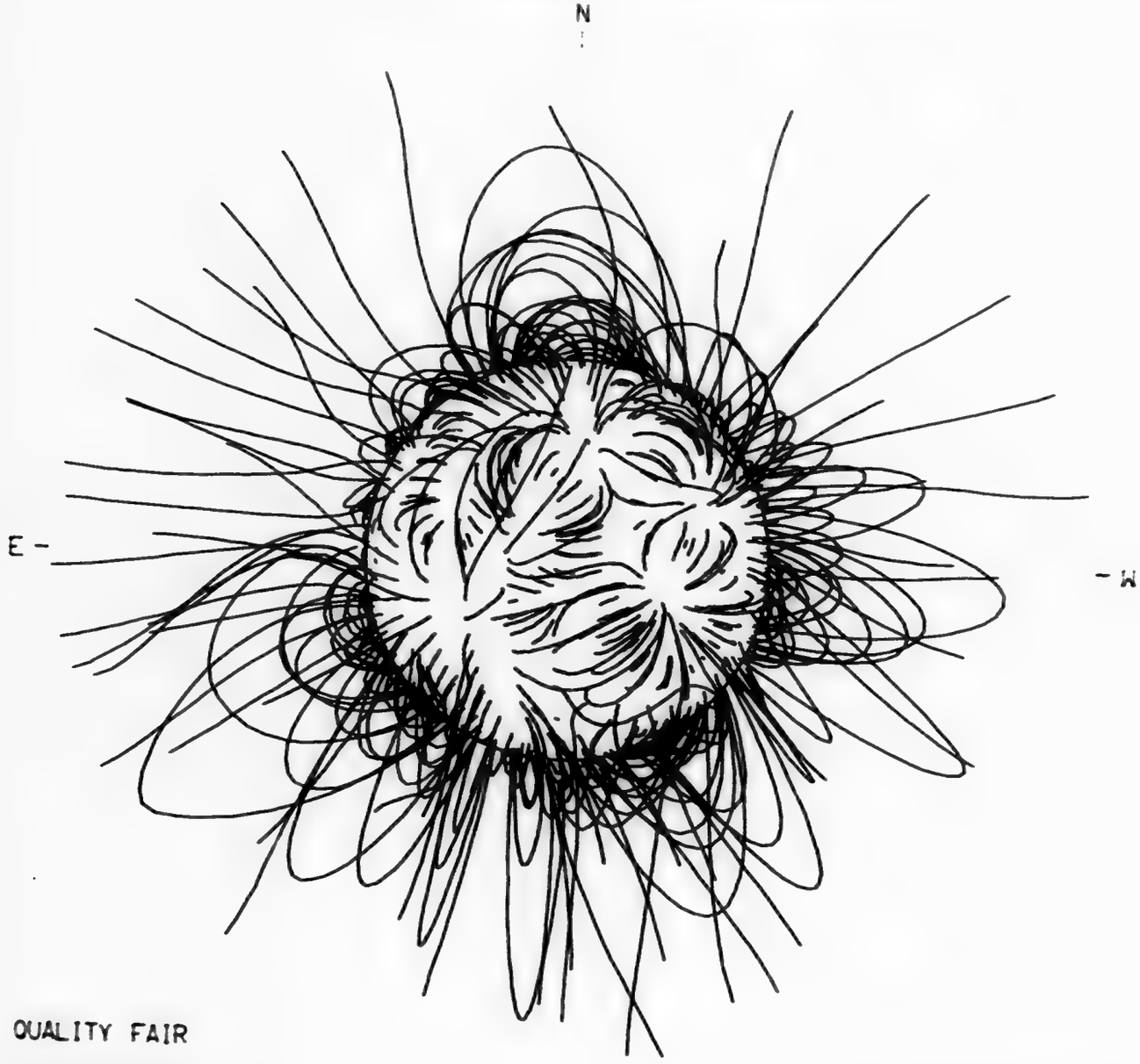
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1439.47

ROT. 1439 LONG. 6[illegible]°
22.6 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

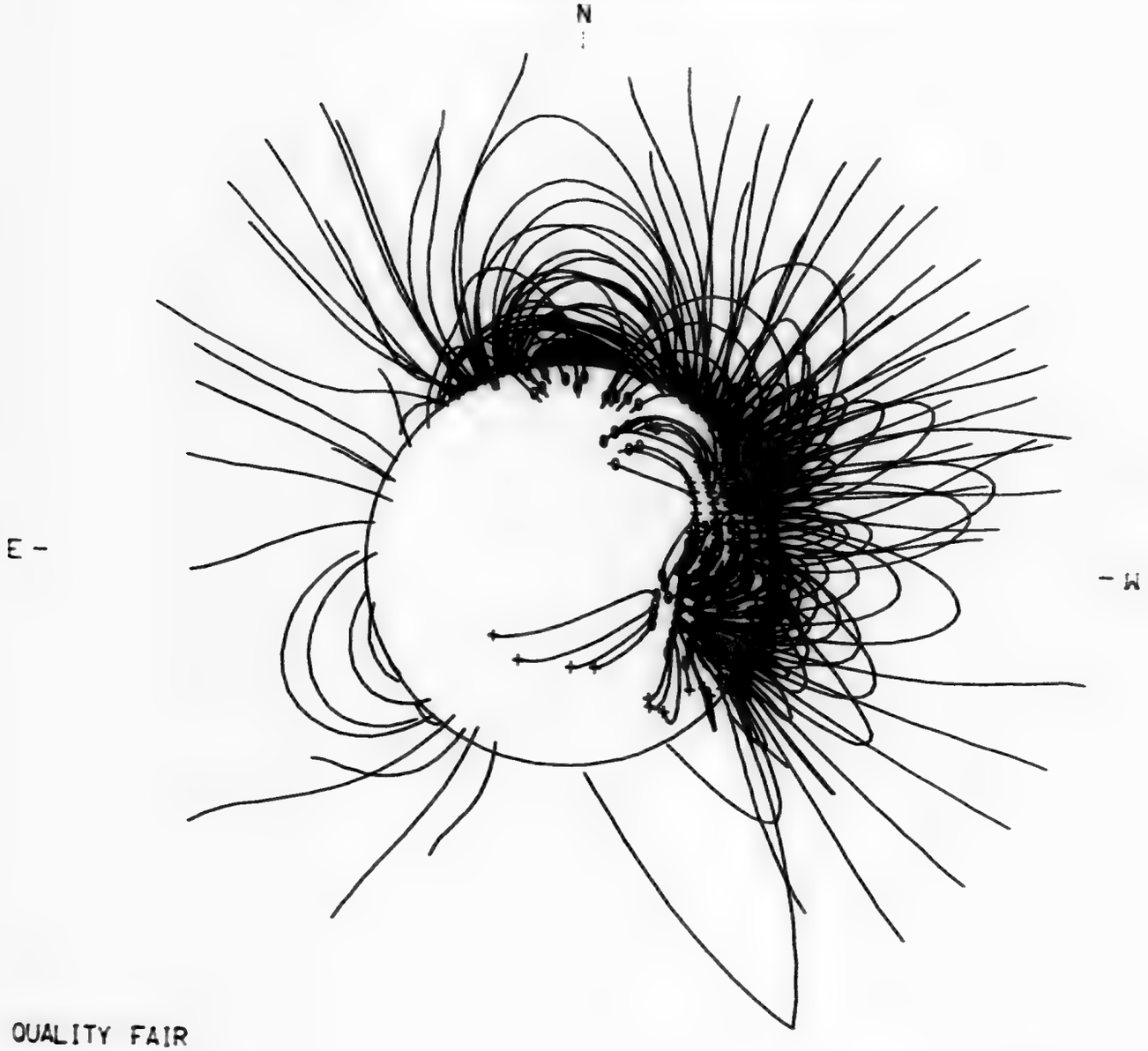
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1439 LONG. 50°

23.4 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

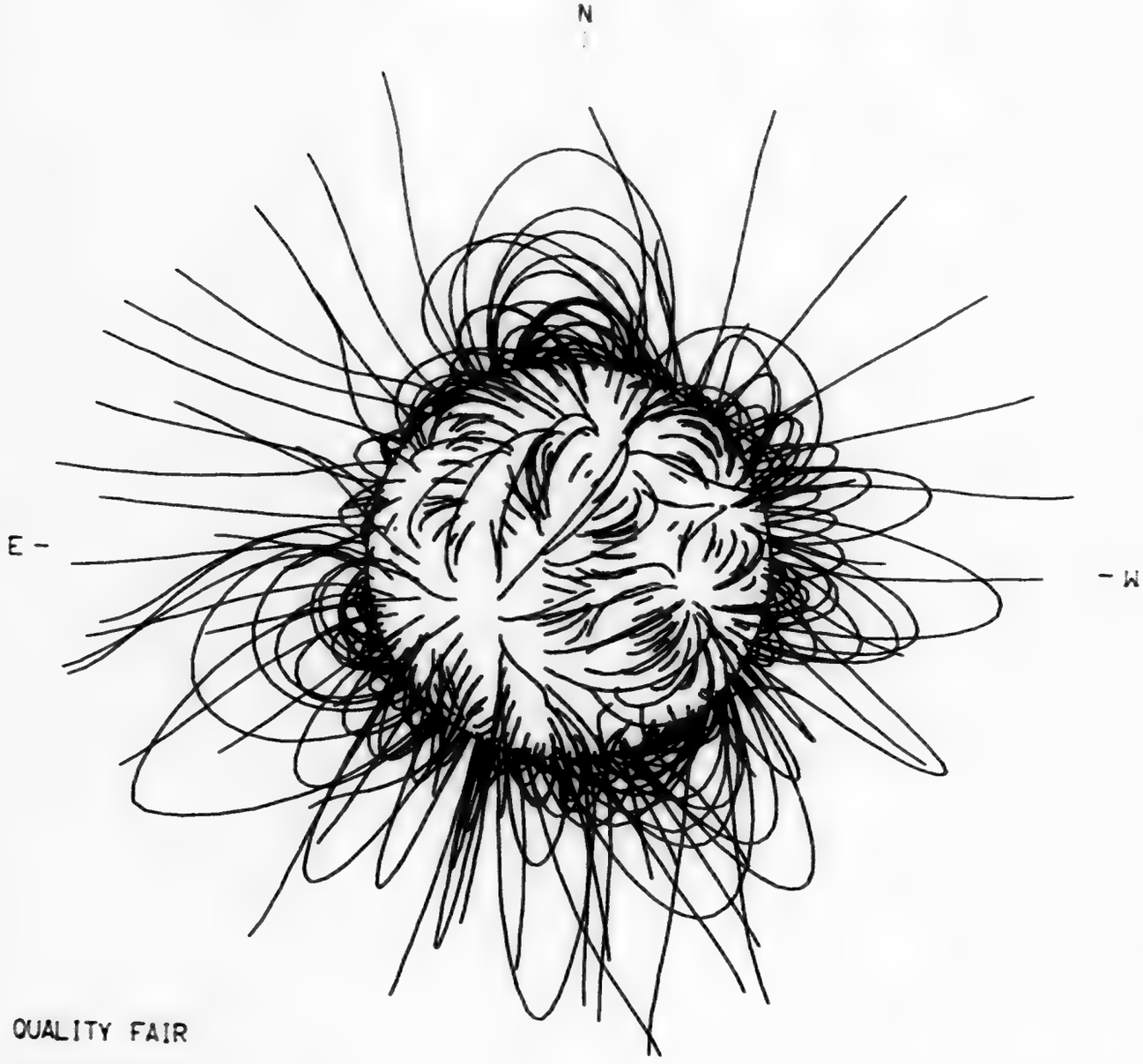
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1439 LONG. 5[illegible]°

23.4 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

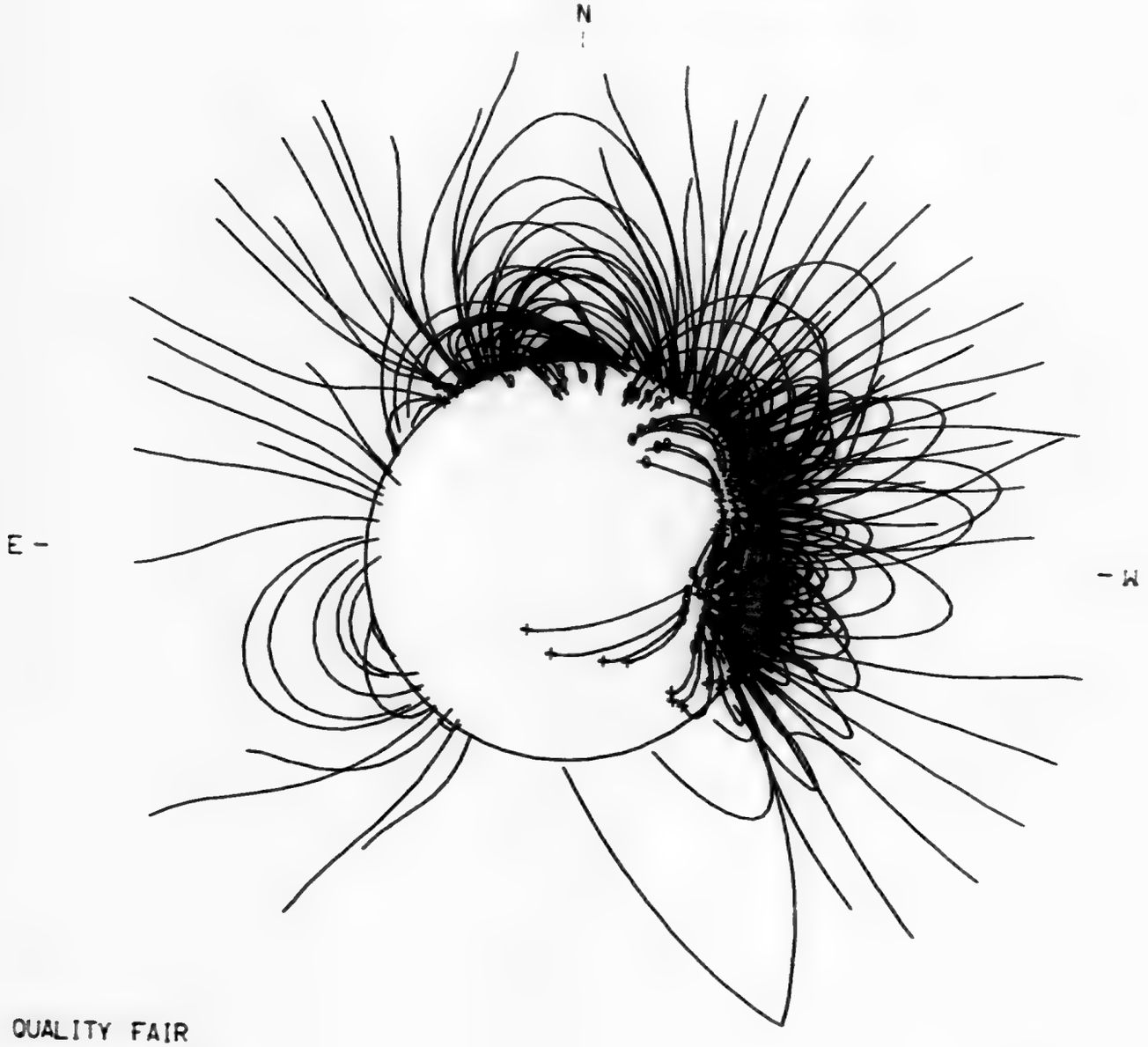
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1439 LONG. 40°

24.1 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

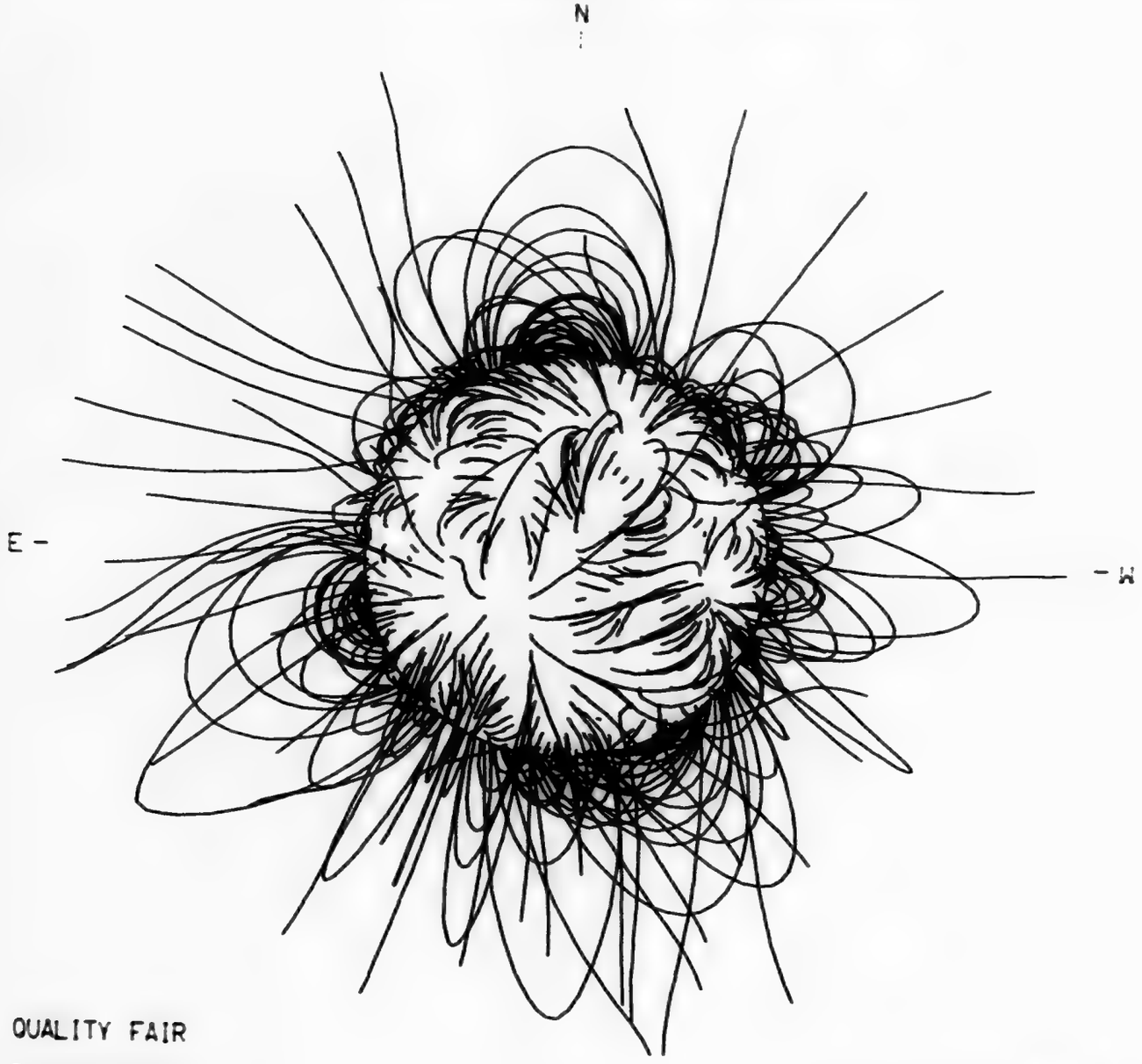
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1439 LONG. 22°

24.1 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

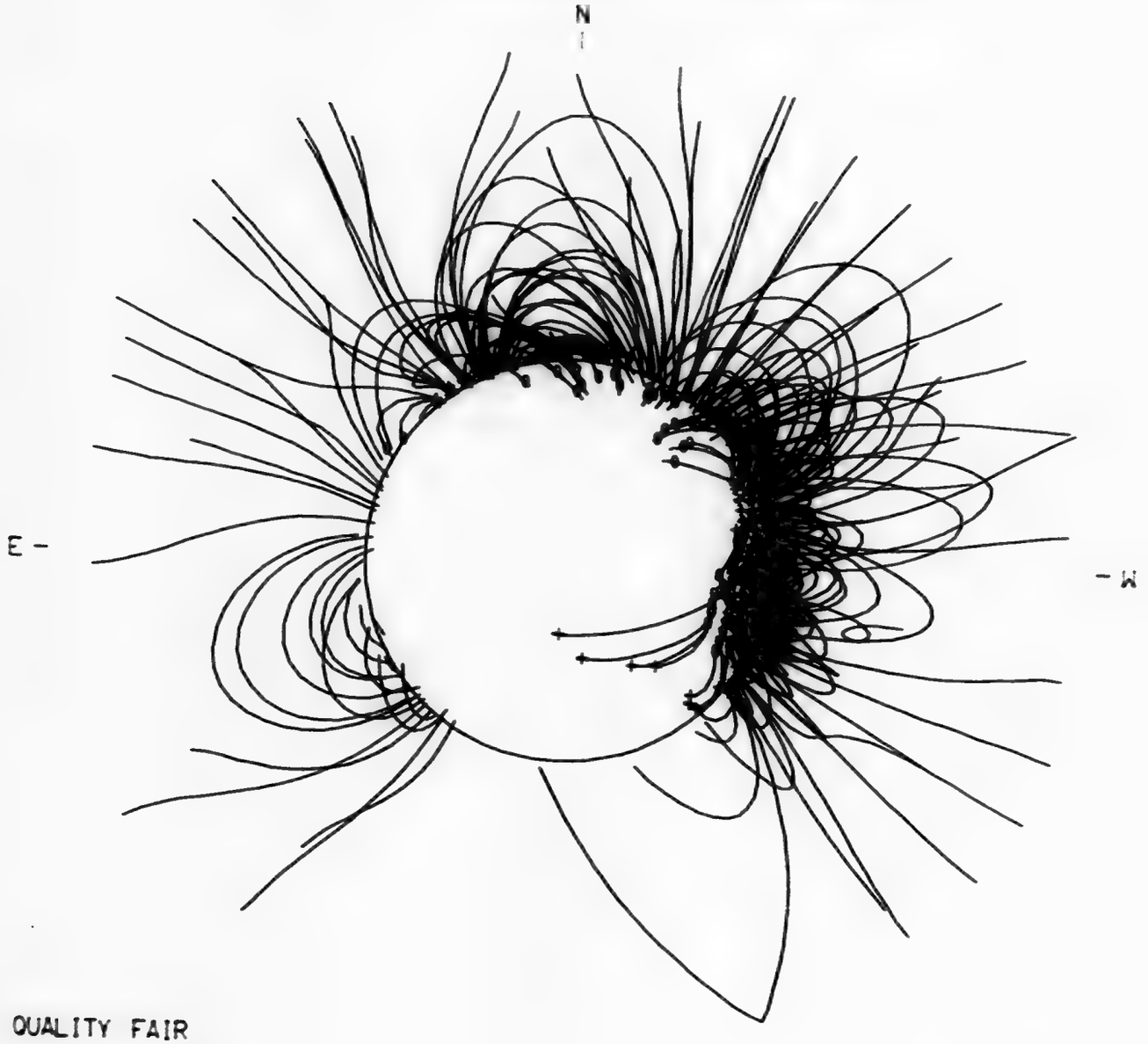
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1439 LONG. 3[illegible]°

24.9 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

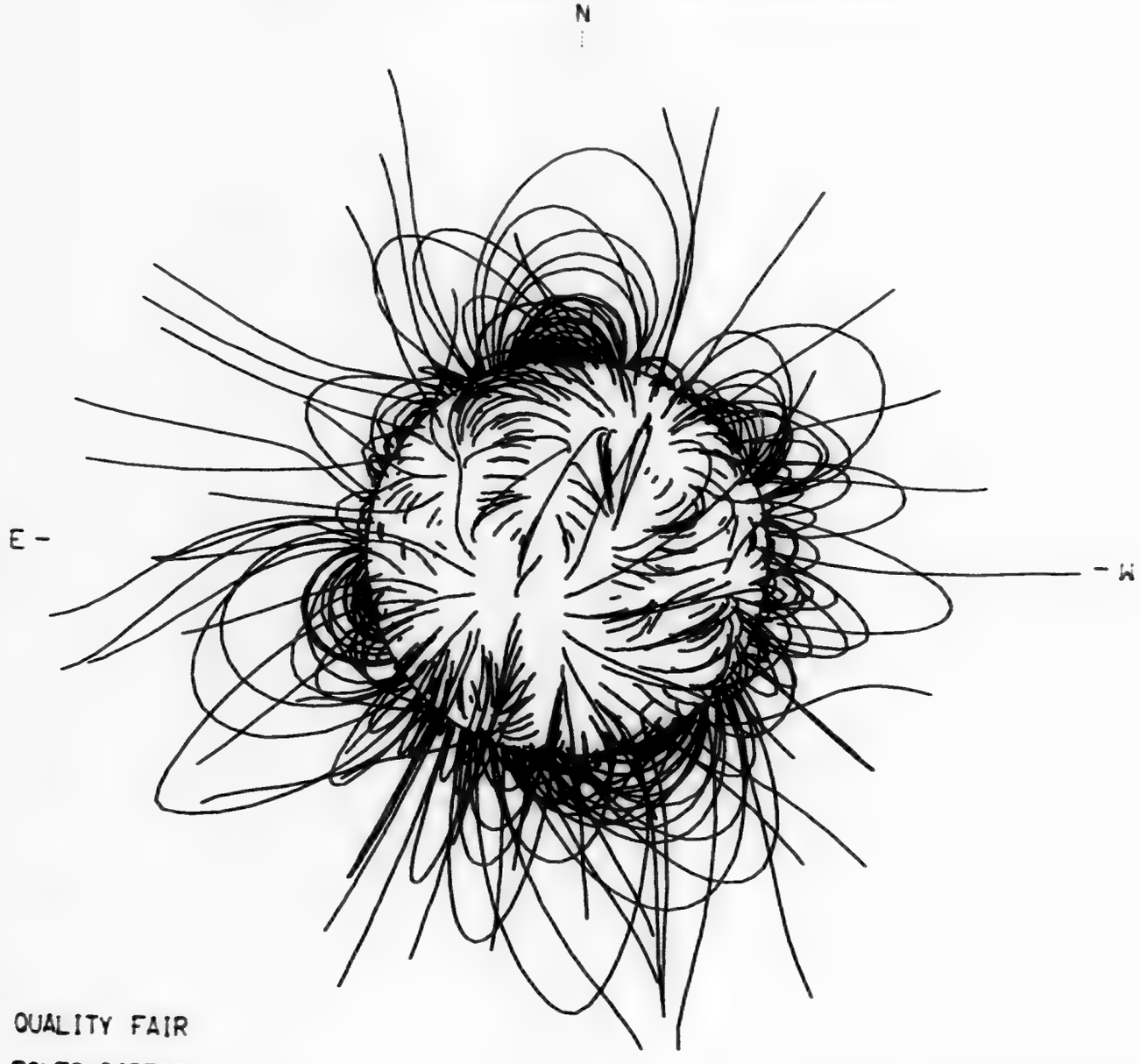
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1439 LONG. 5[illegible]°

24.9 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

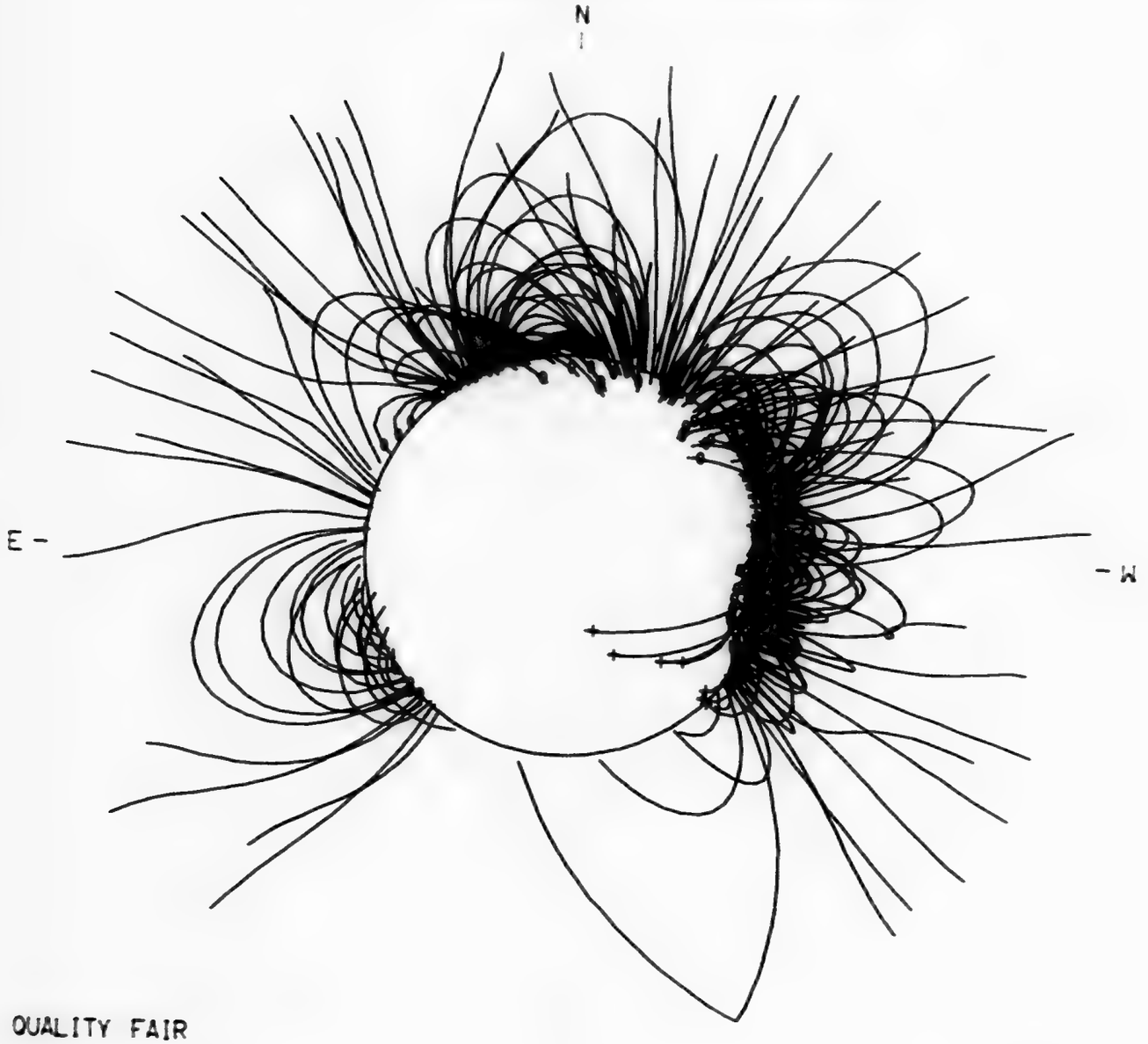
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1439 LONG. 2[illegible]°

25.6 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

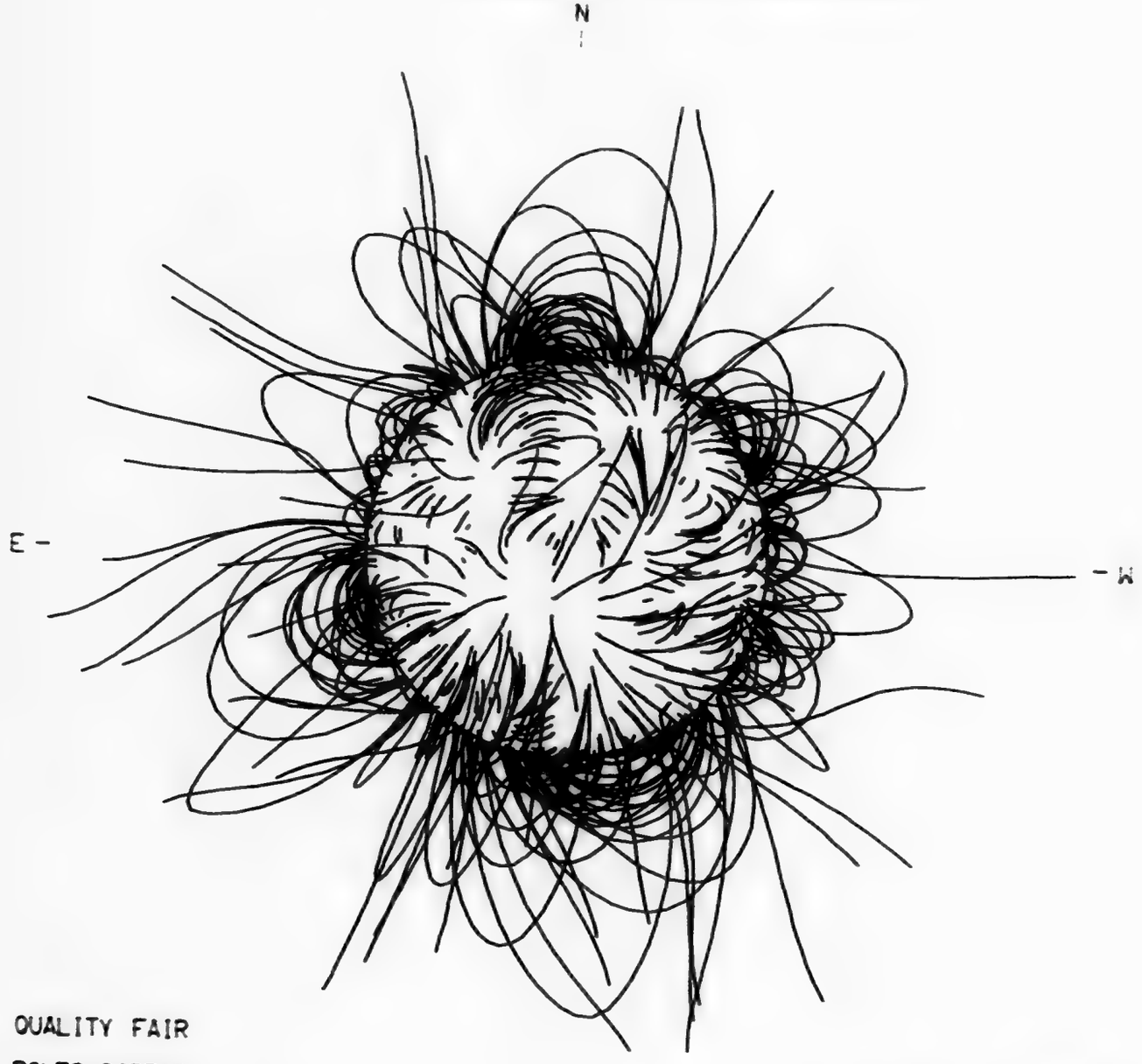
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1439 LONG. 2[illegible]°

25.6 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

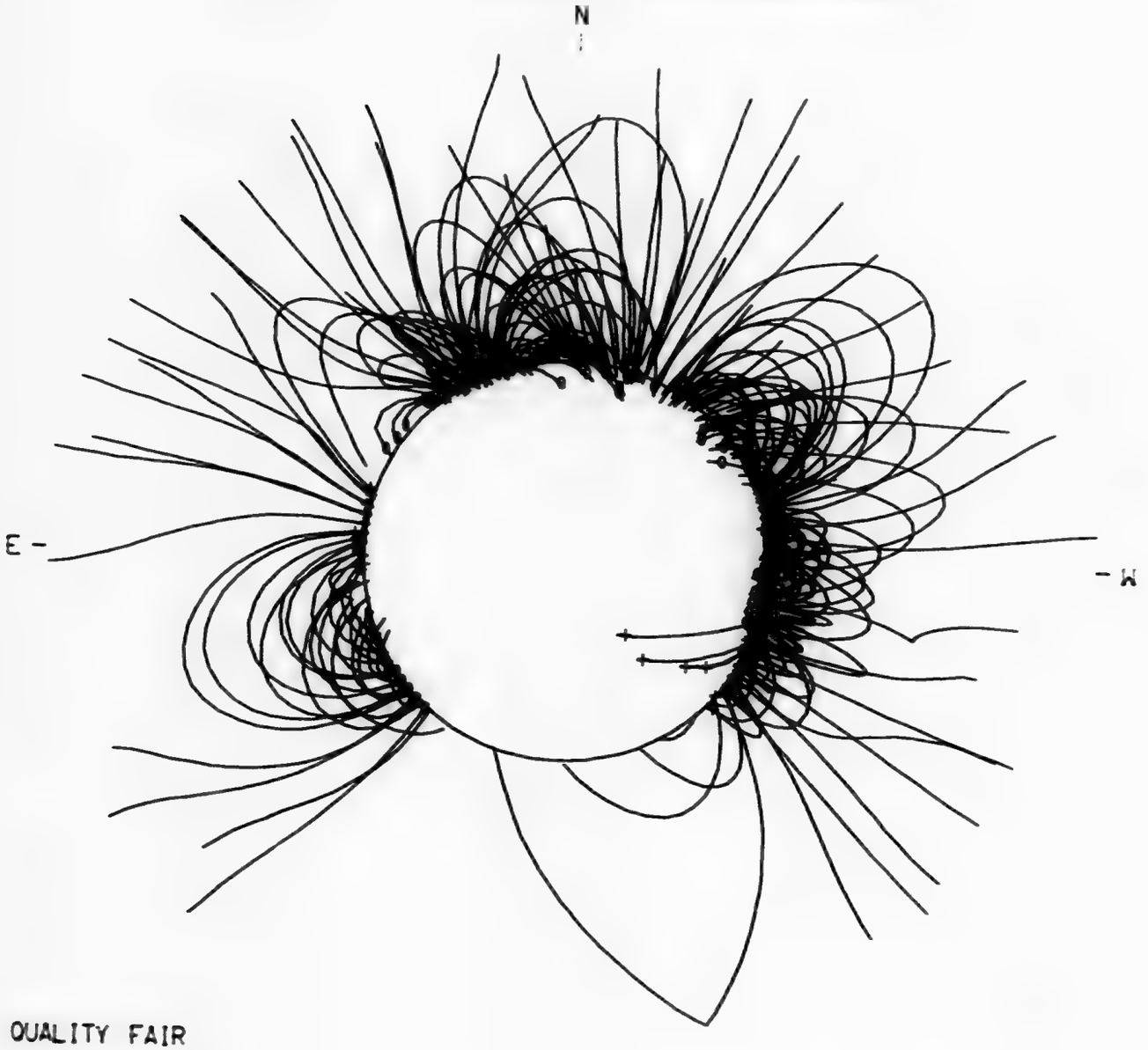
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1439 LONG. 10°

26.4 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

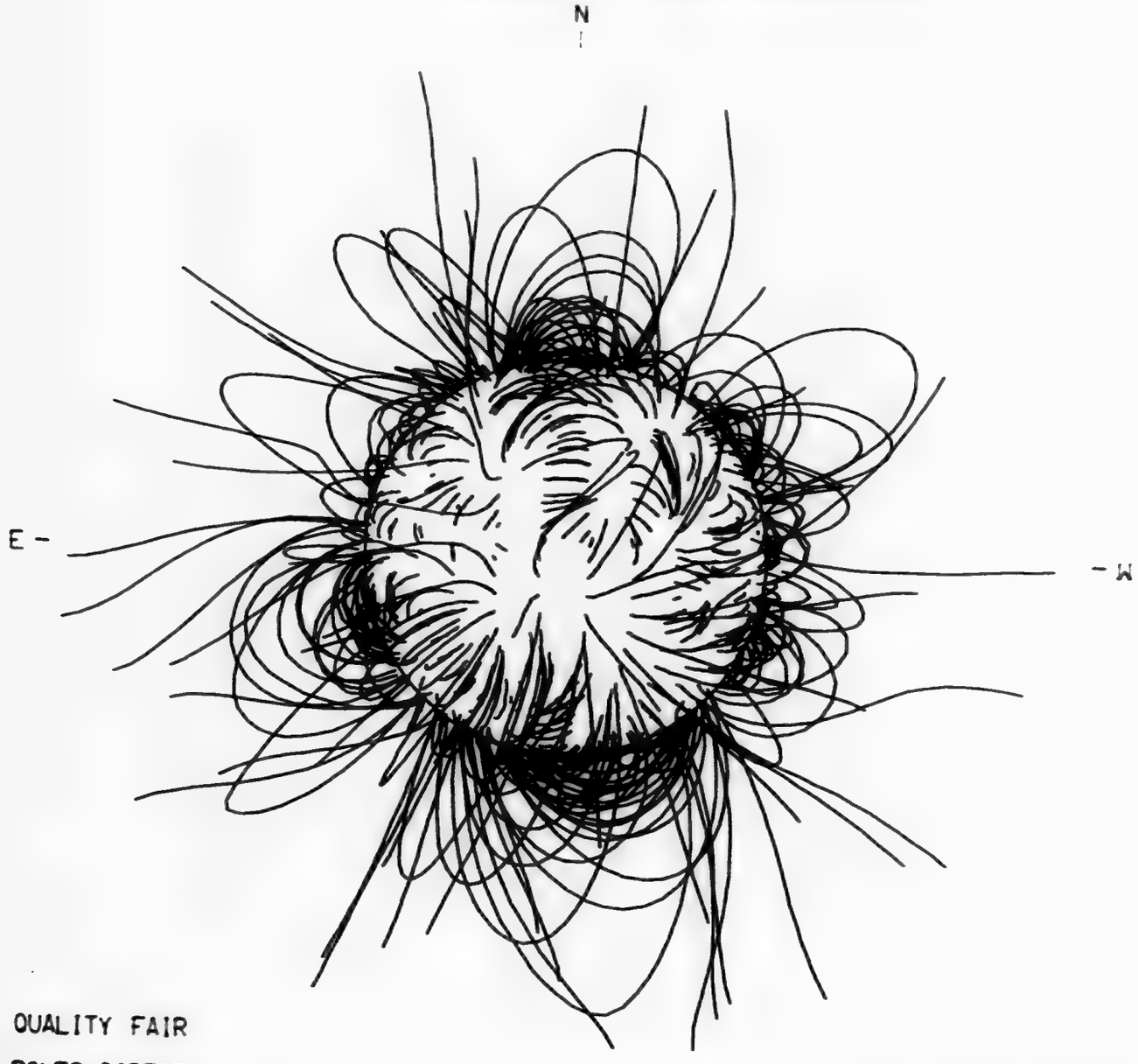
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1439 LONG. 10°

26.4 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

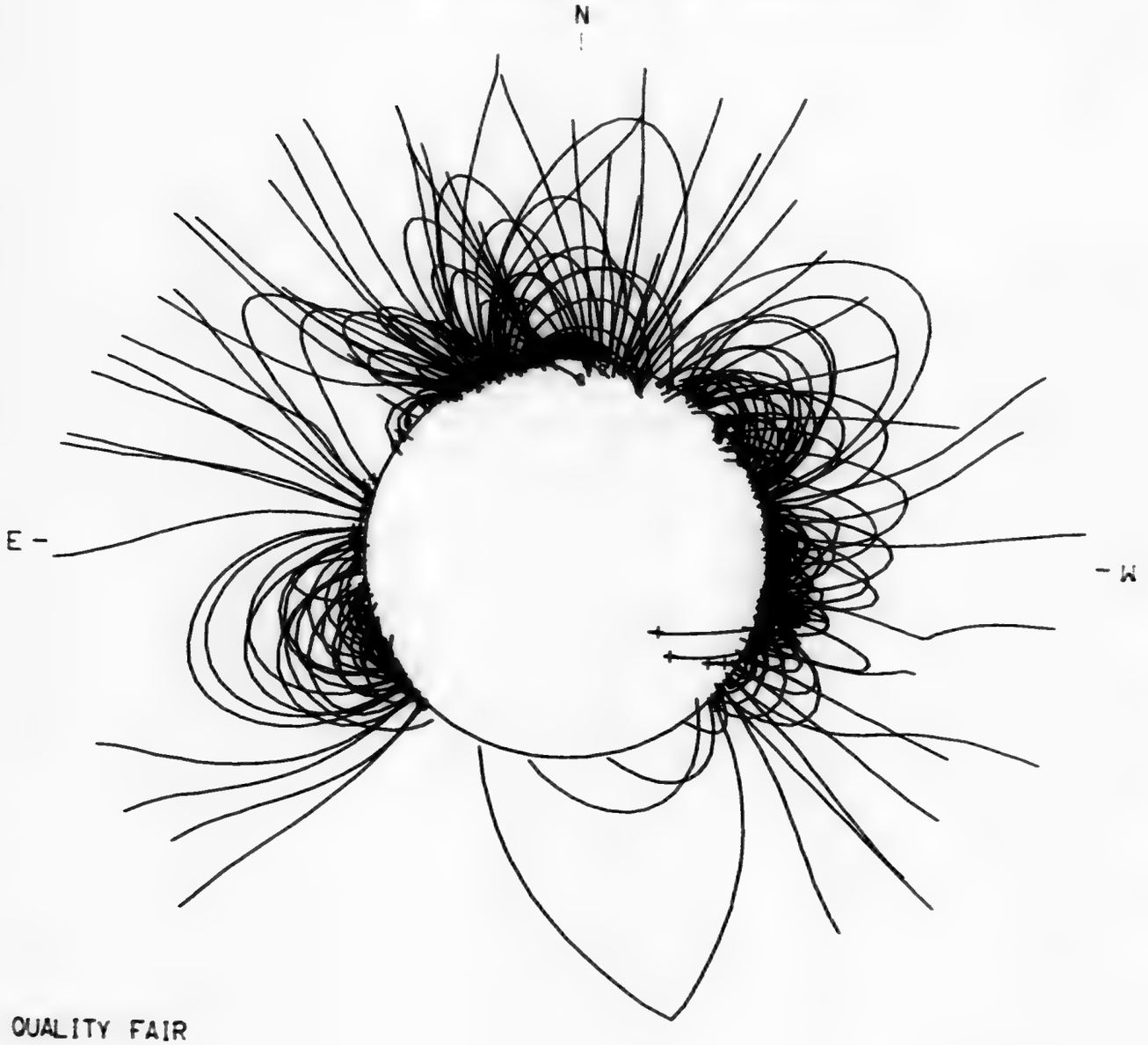
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1439 LONG. 3°

27.2 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1439.47

ROT. 1439 LONG. 0°

27.2 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

QUALITY FAIR

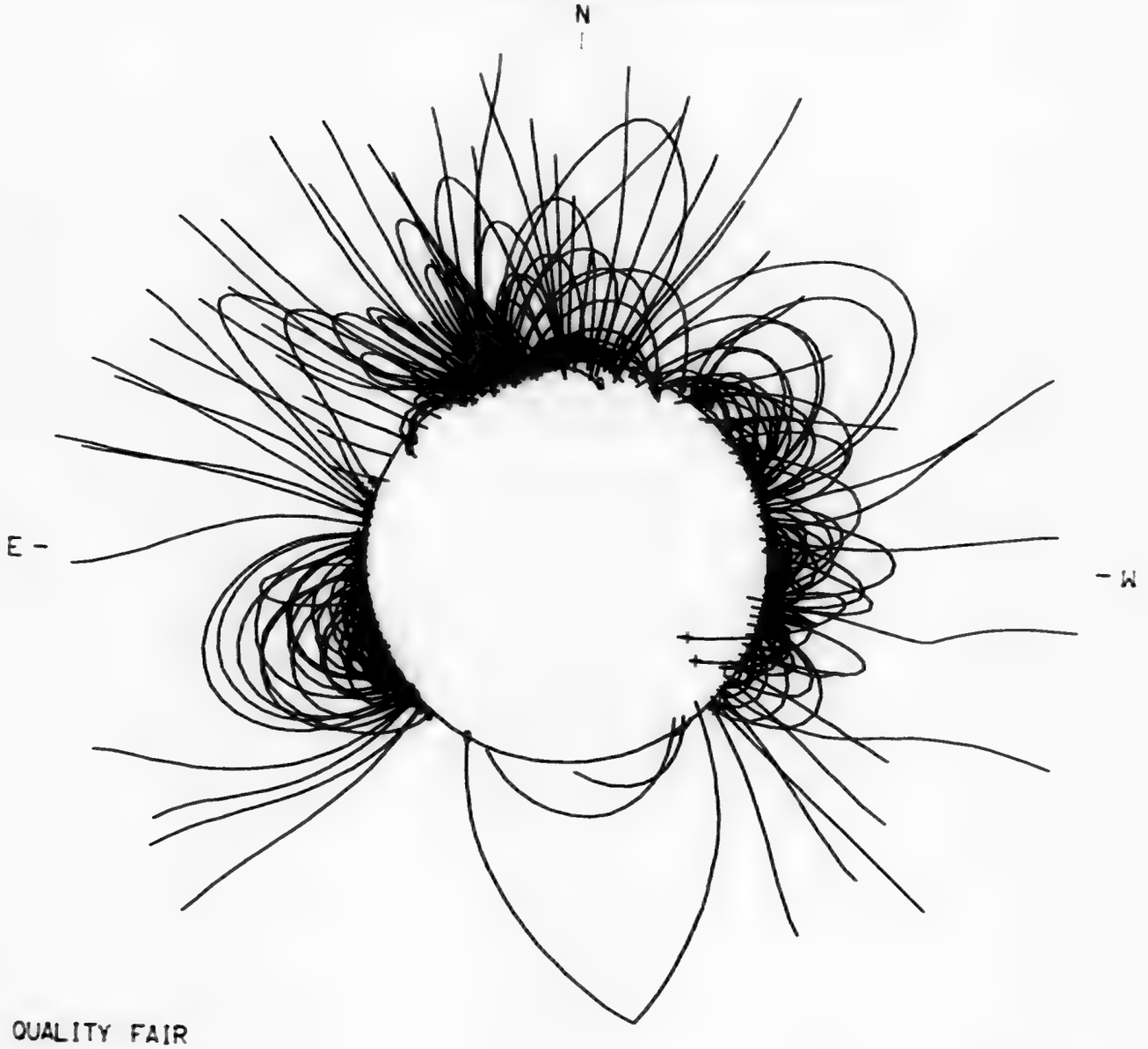
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1440 LONG. 352°

27.9 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

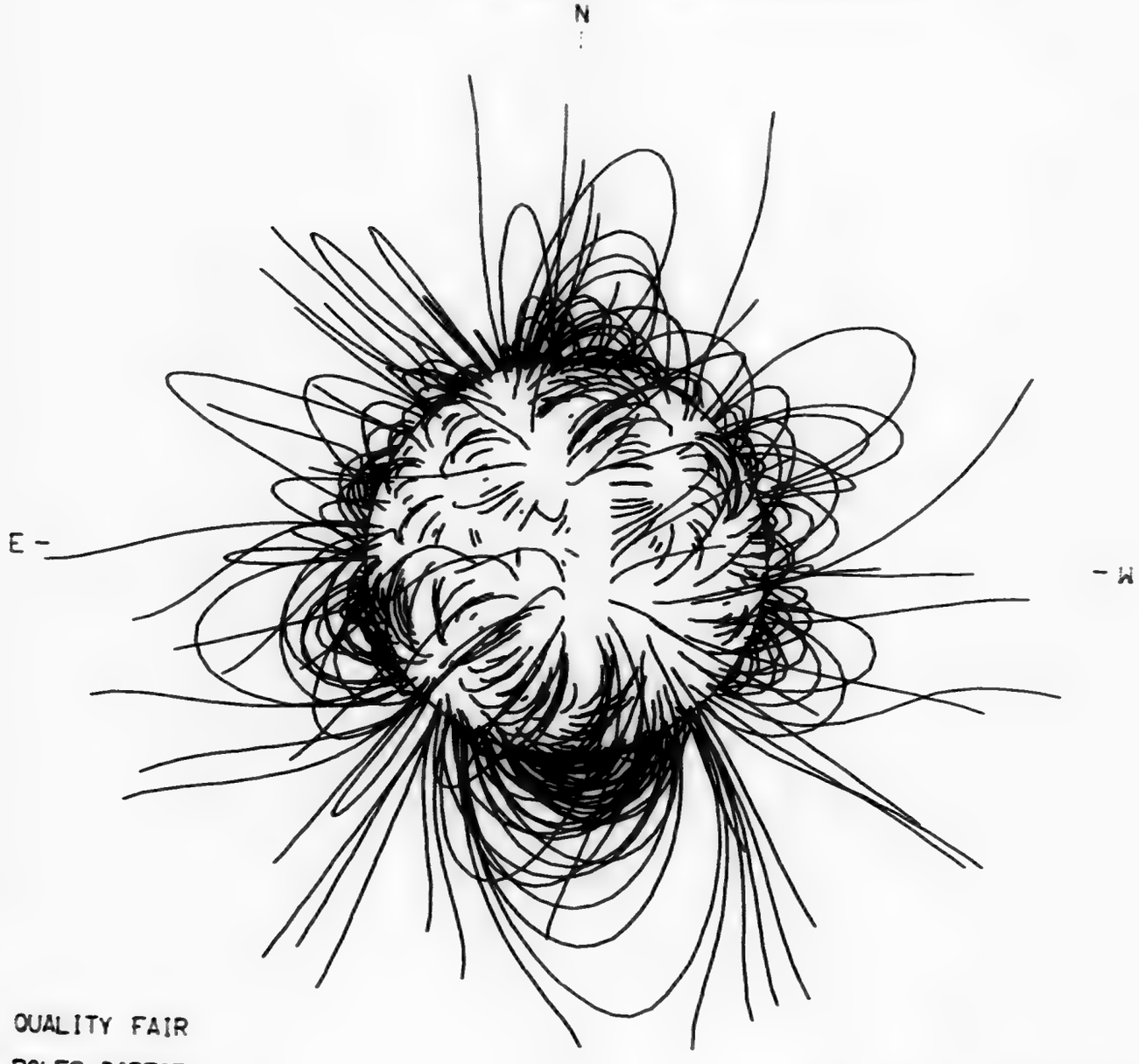
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1440 LONG. 35°

27.9 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

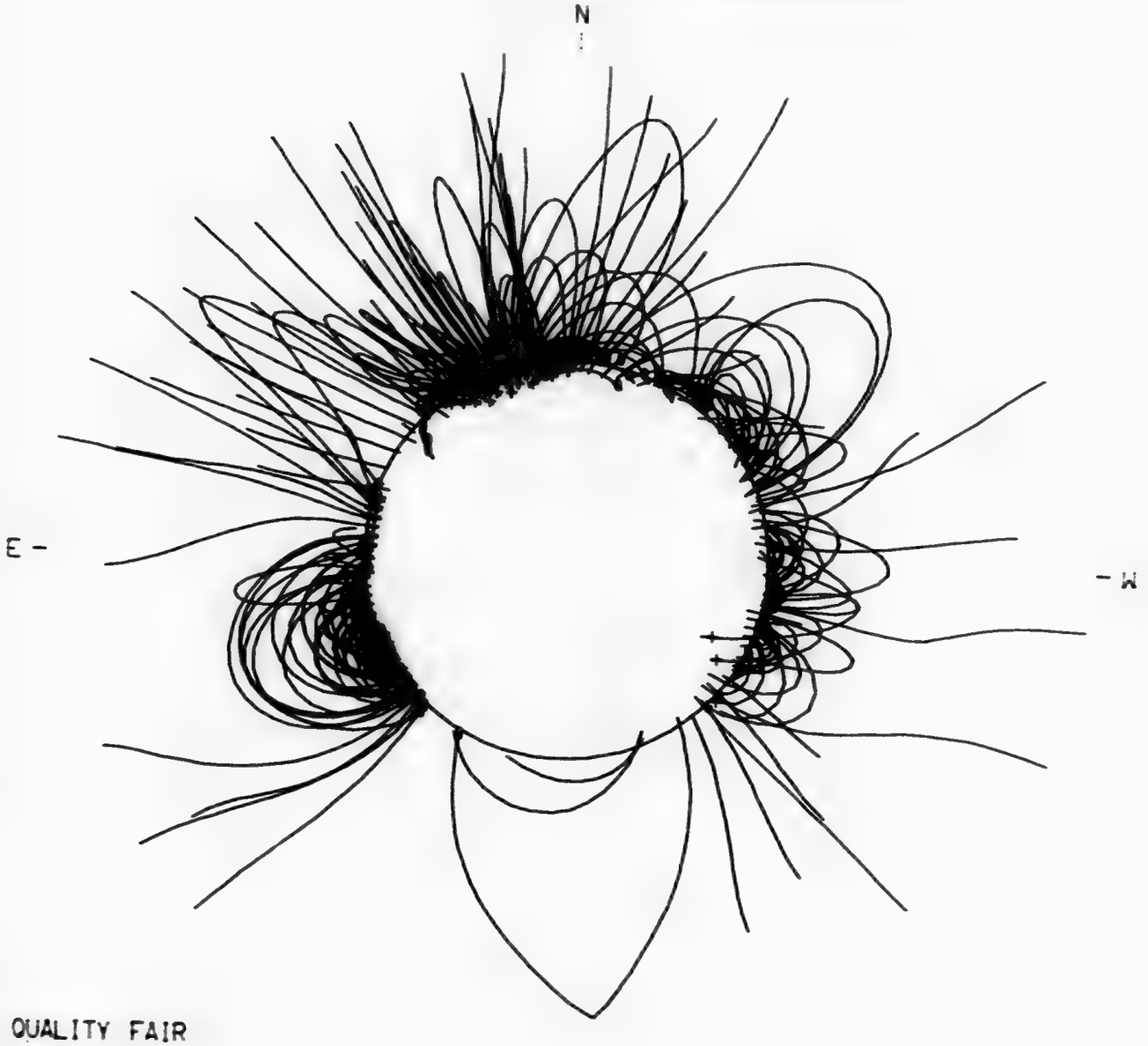
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1440 LONG. 3[illegible]°

28.7 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

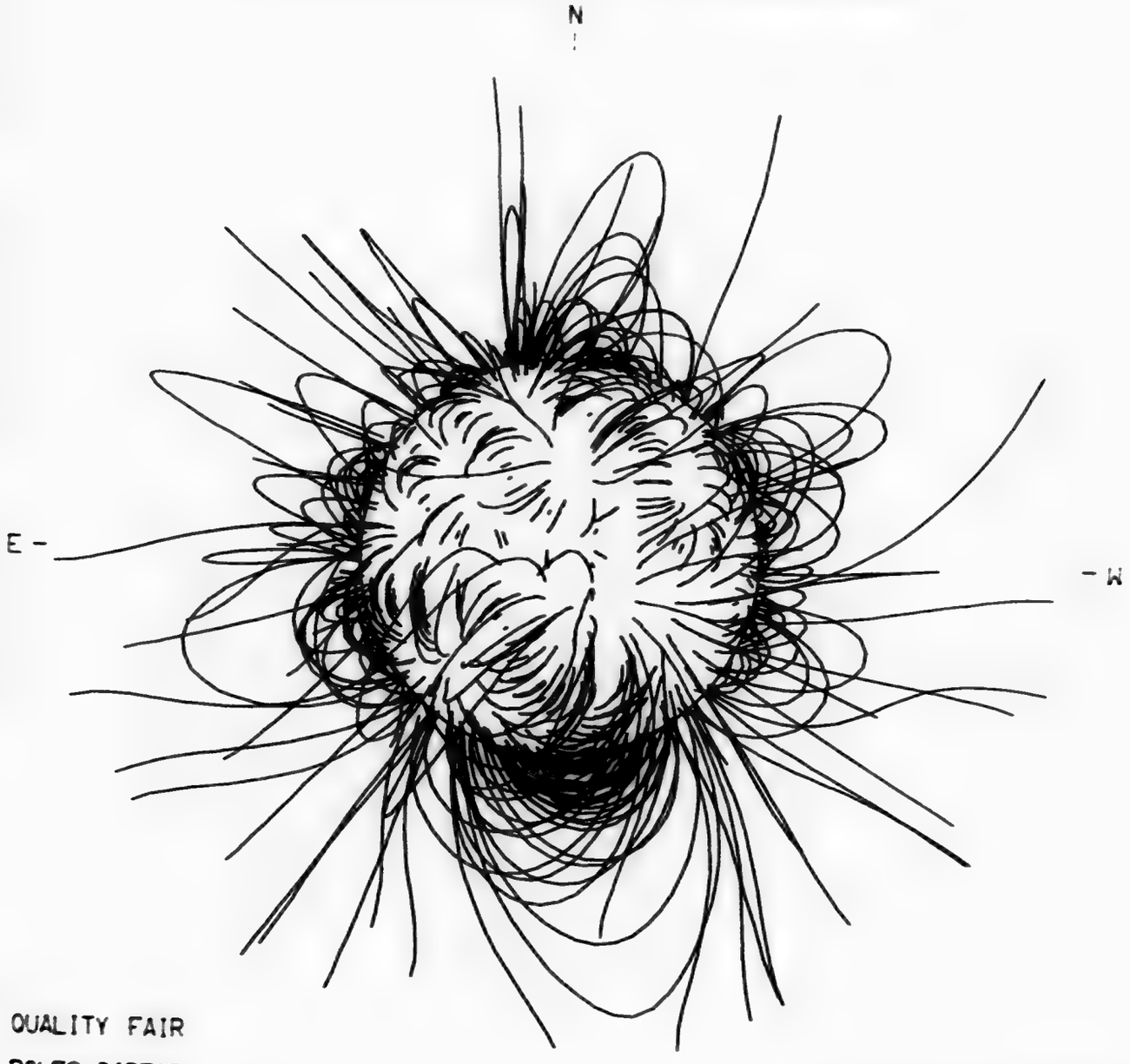
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1440 LONG. 342°

28.7 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

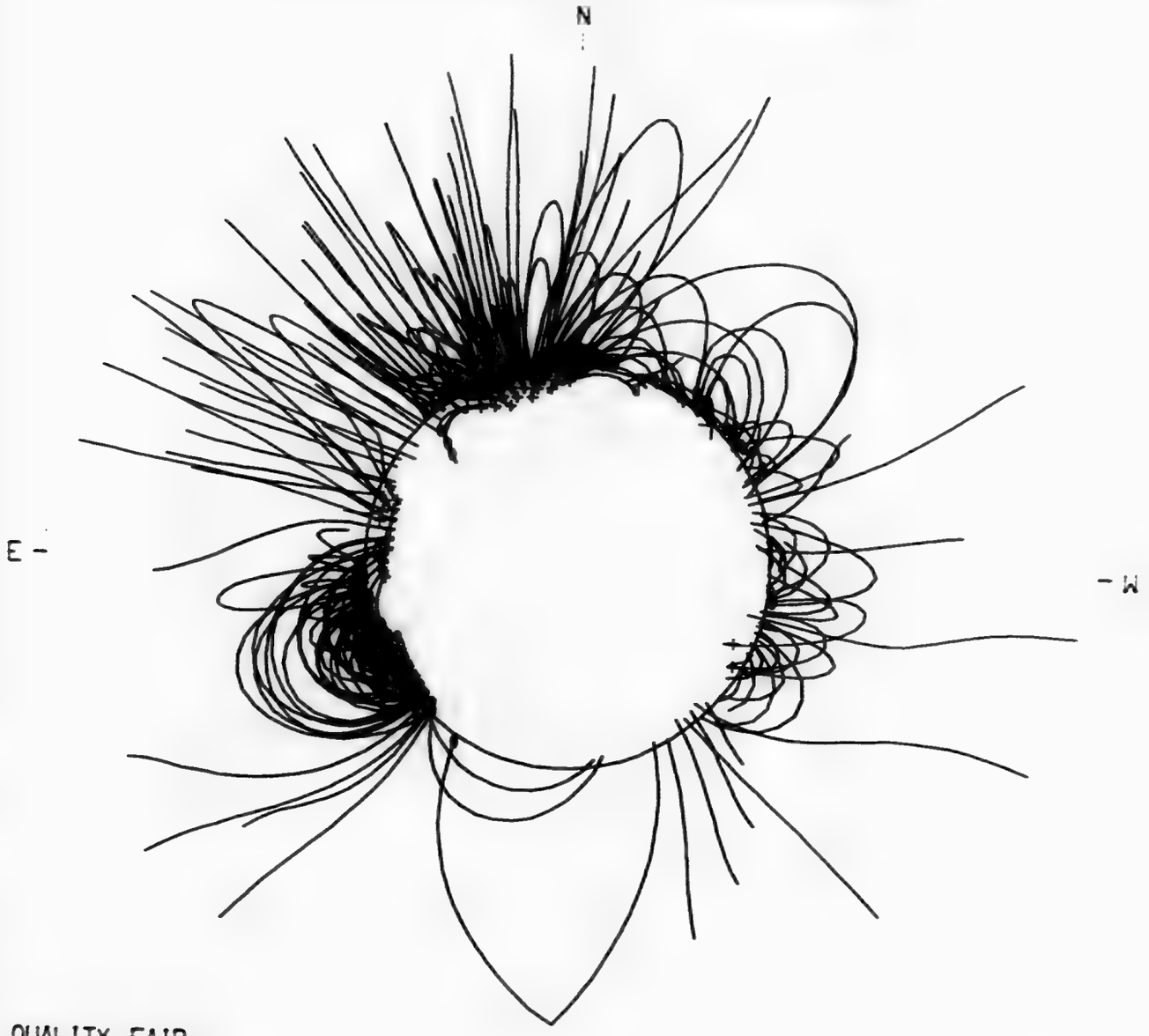
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1440 LONG. 350°

29.4 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

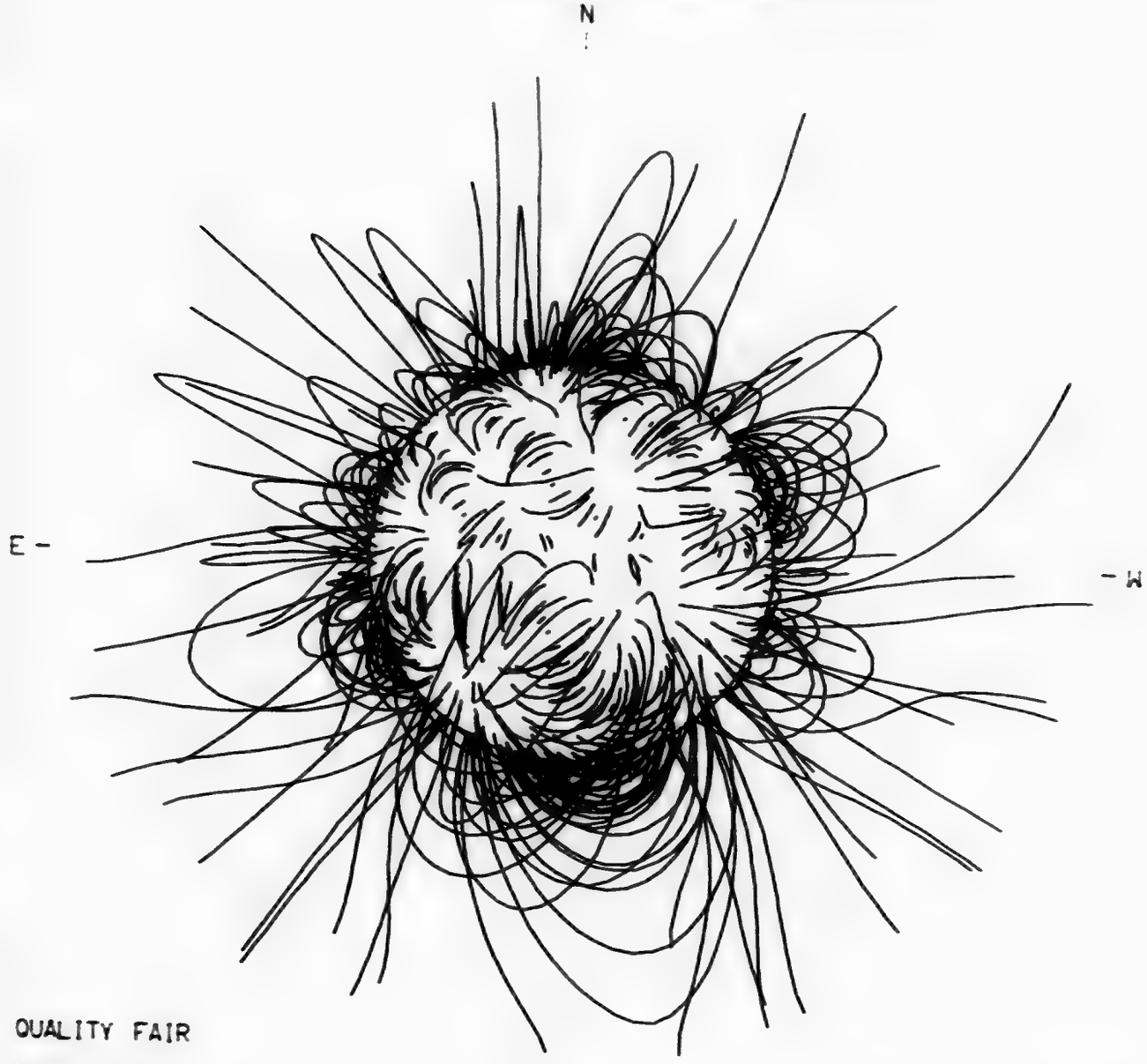
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1440 LONG. 33[illegible]°

29.4 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

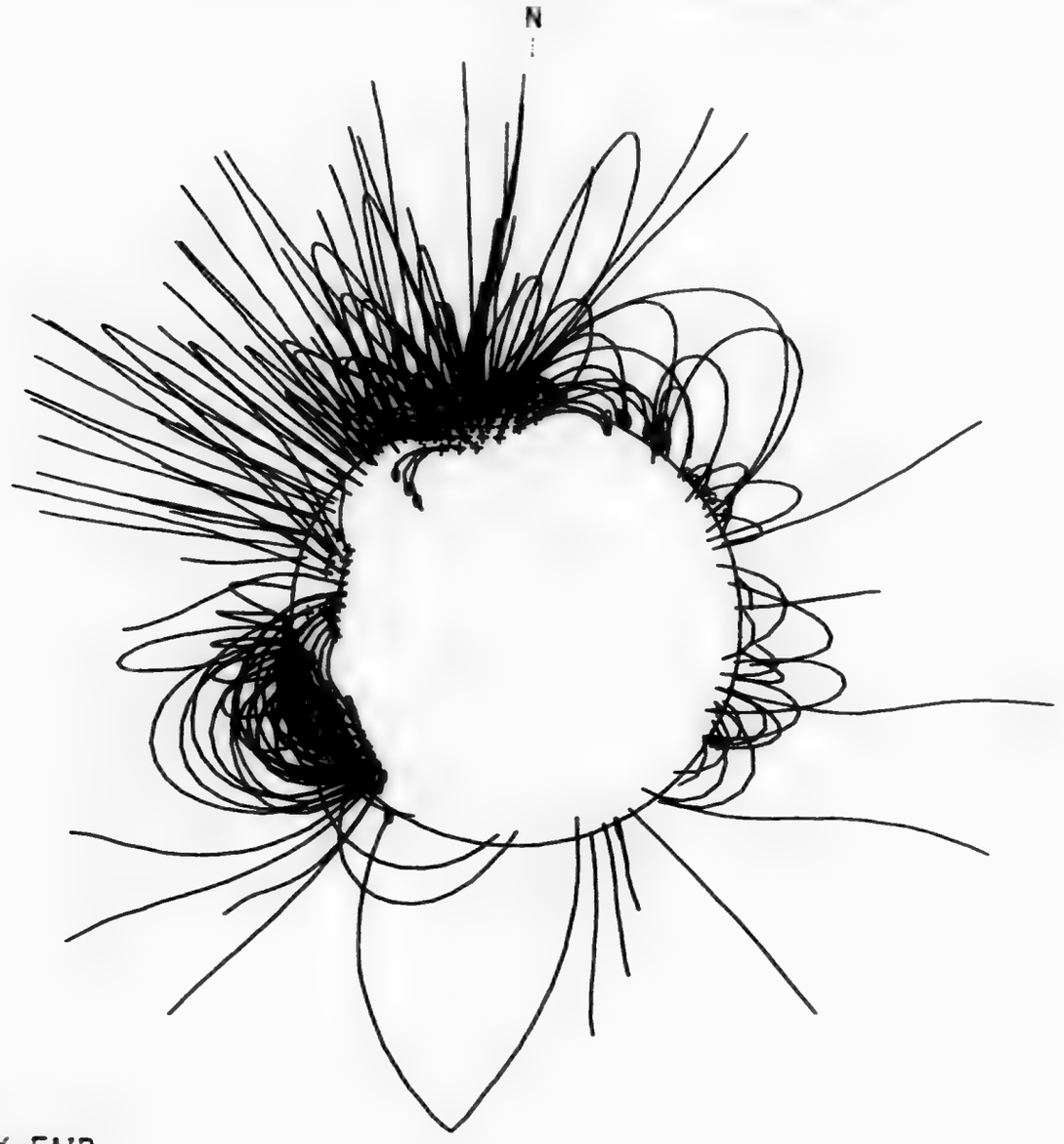
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1440 LONG. 320°

30.2 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

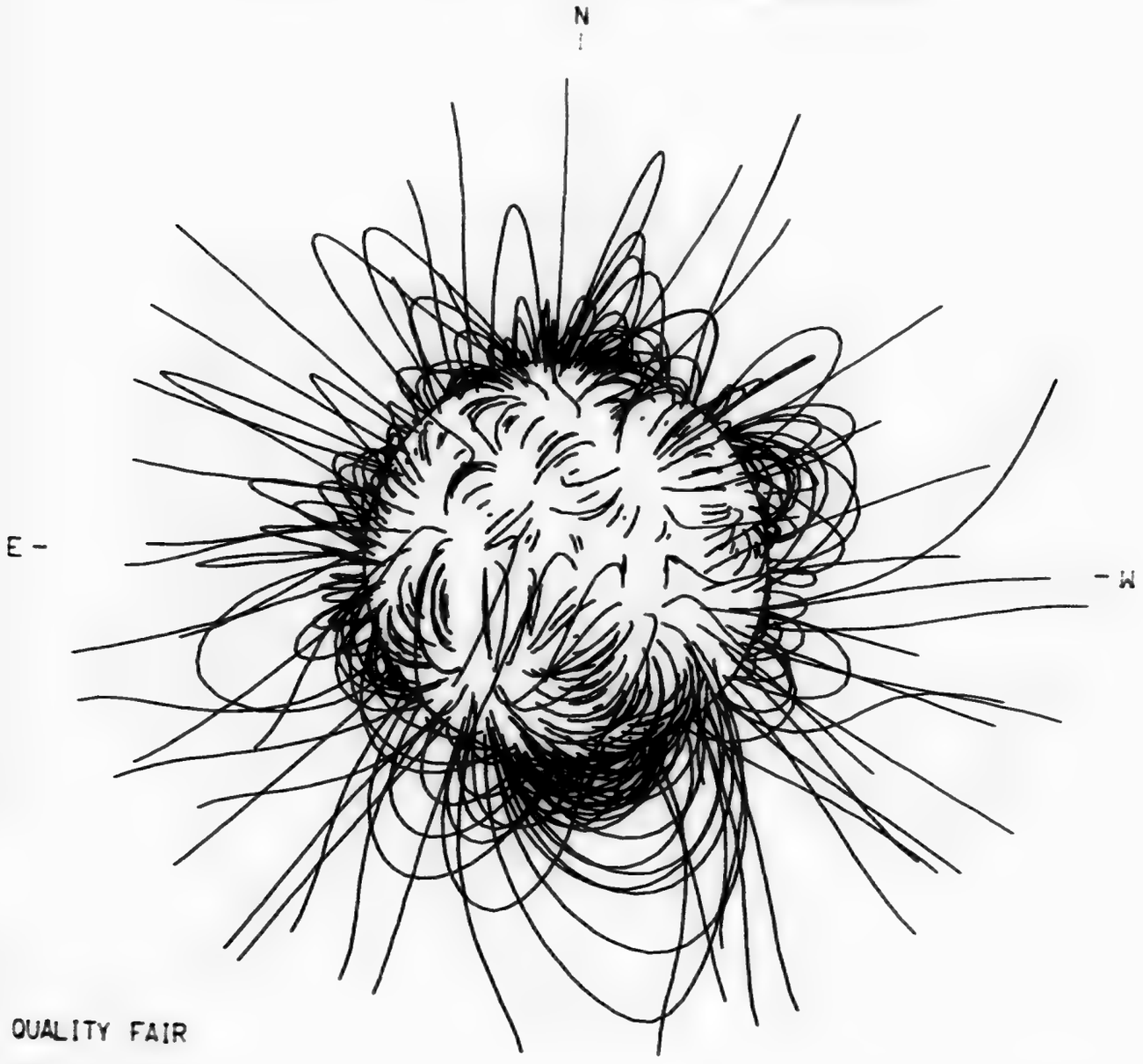
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1440 LONG. 320°

30.2 APR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

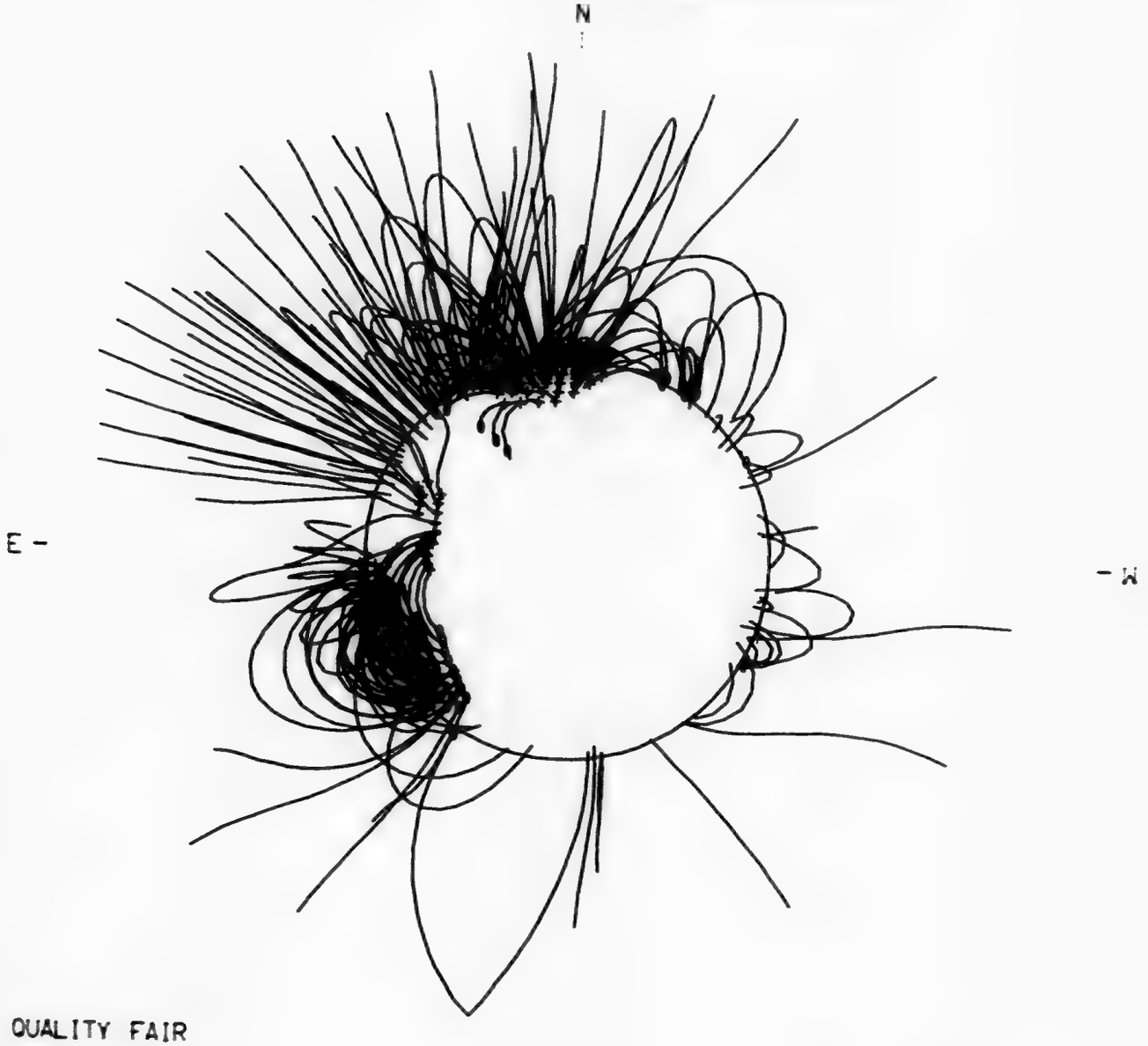
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1440 LONG. 310°

9 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

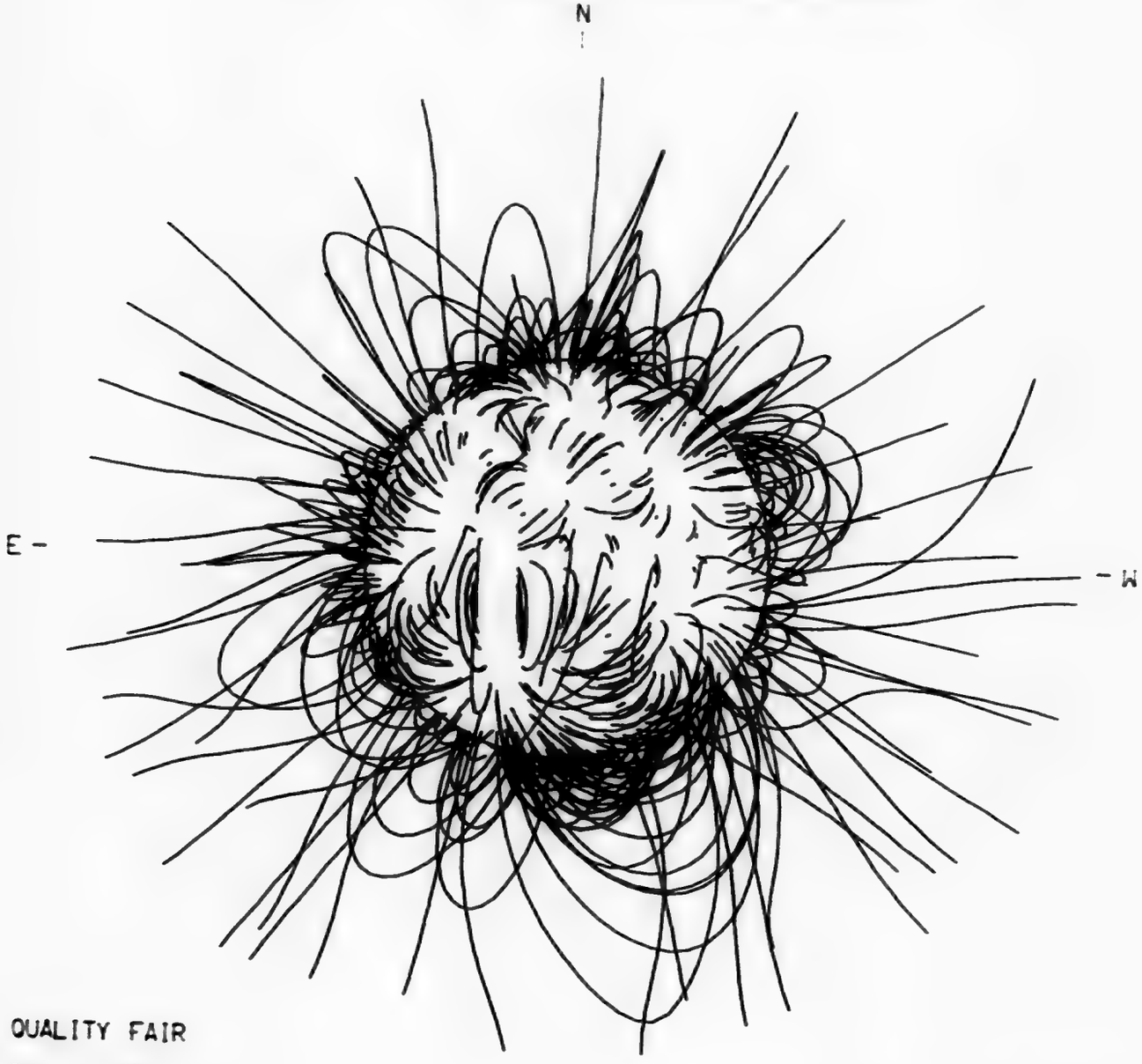
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1440 LONG. 310°

9 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

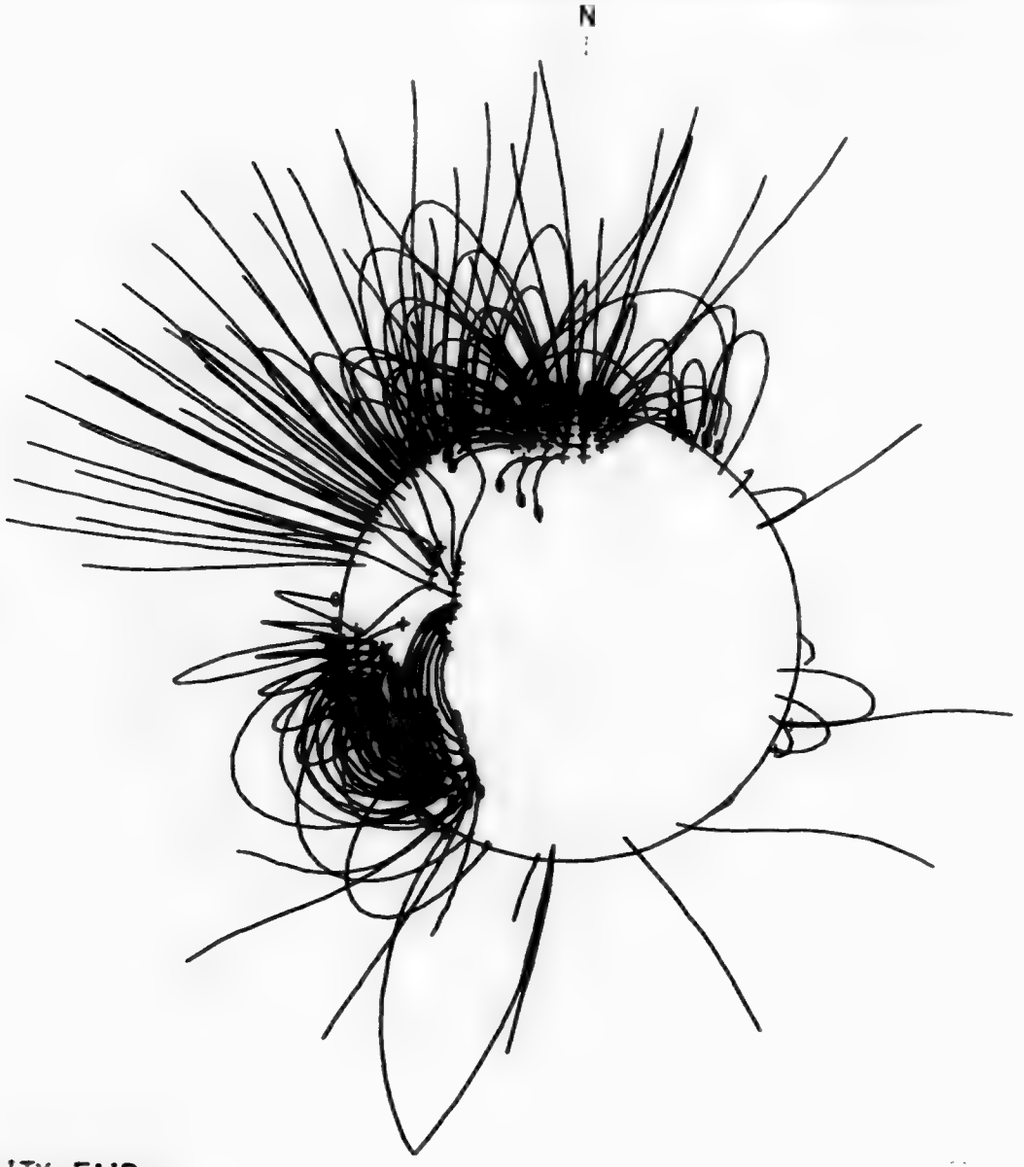
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1440 LONG. 300°

17 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

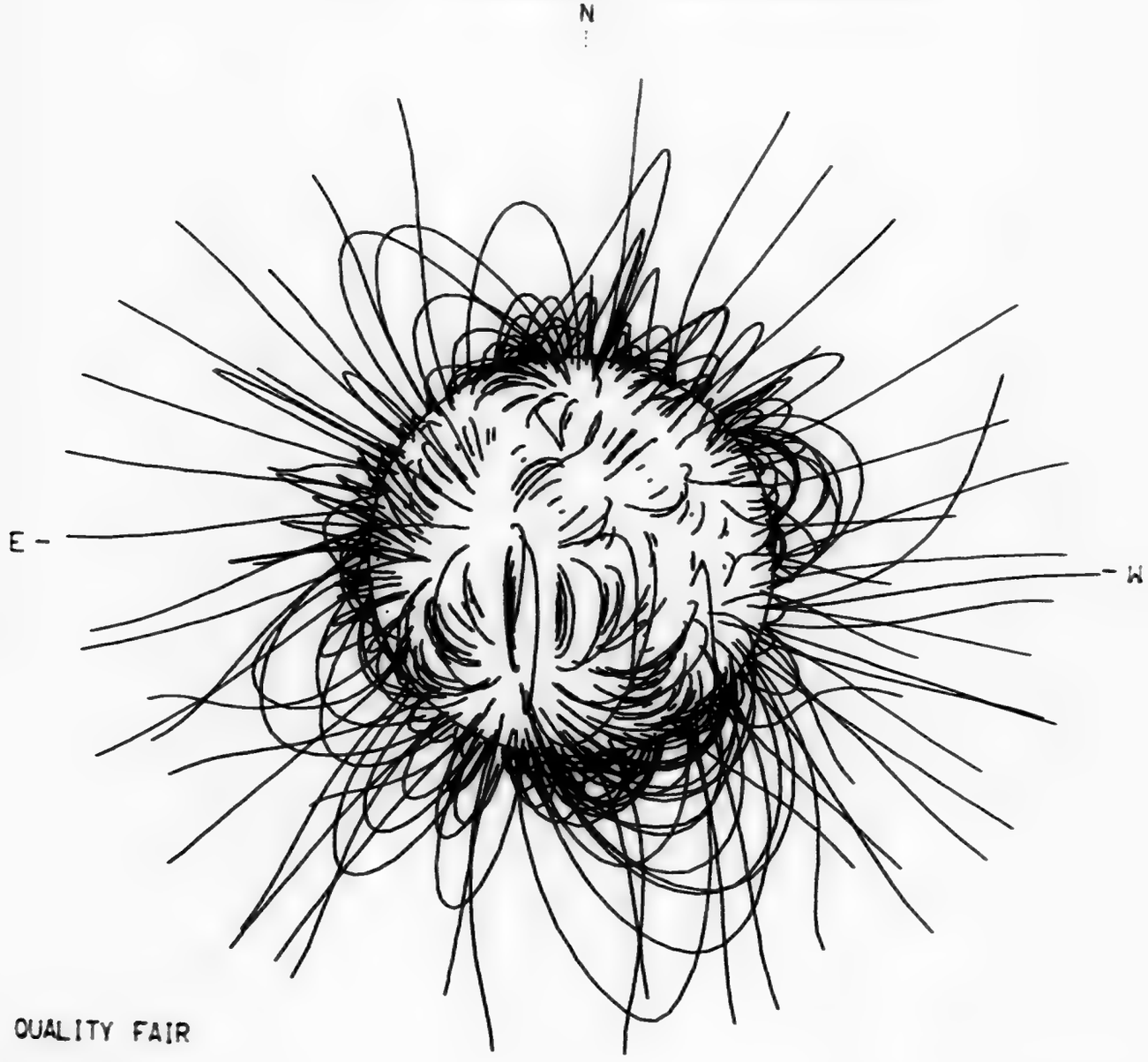
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1440 LONG. 300°

17 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

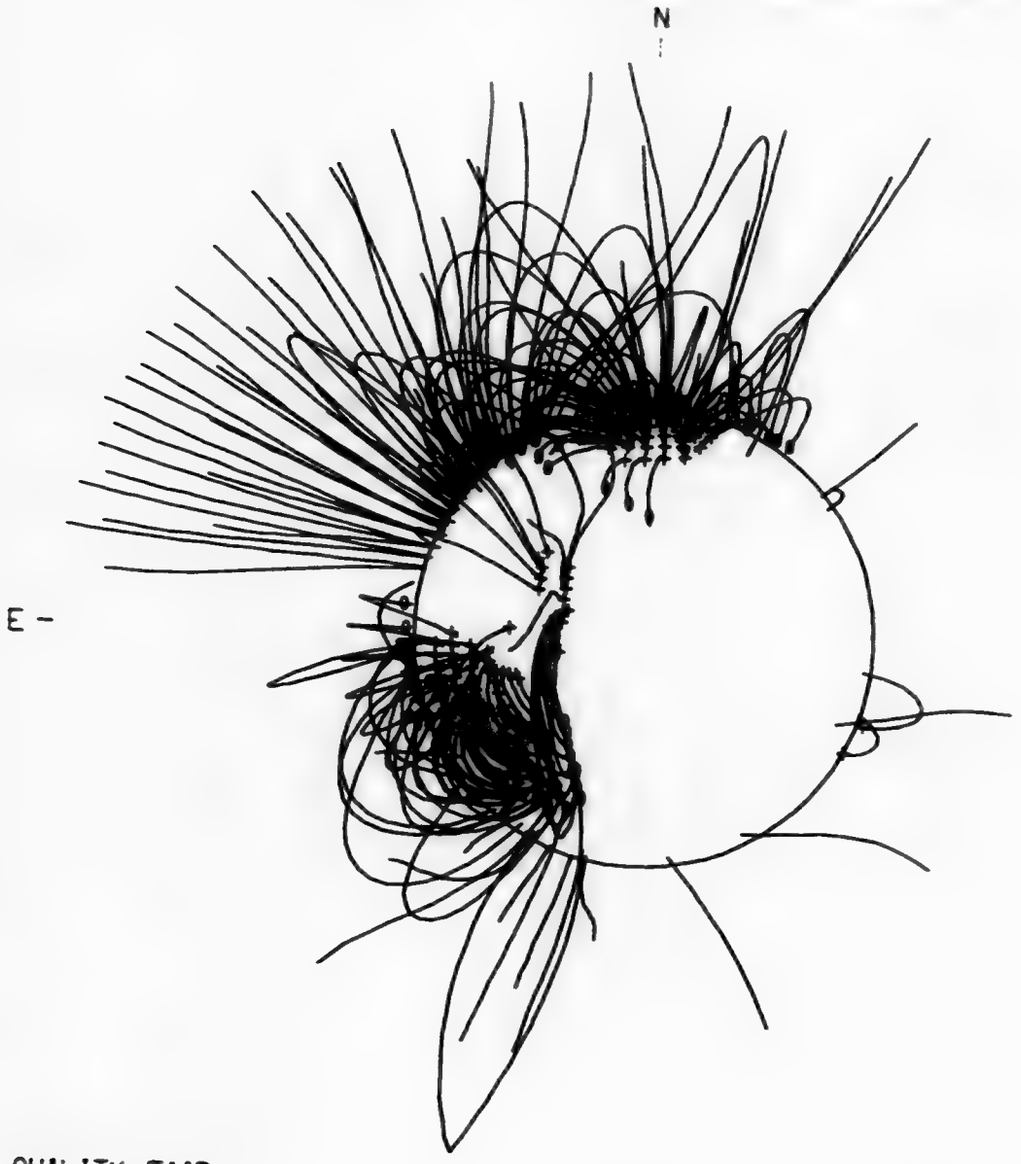
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1440 LONG. 29[illegible]°

2.5 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

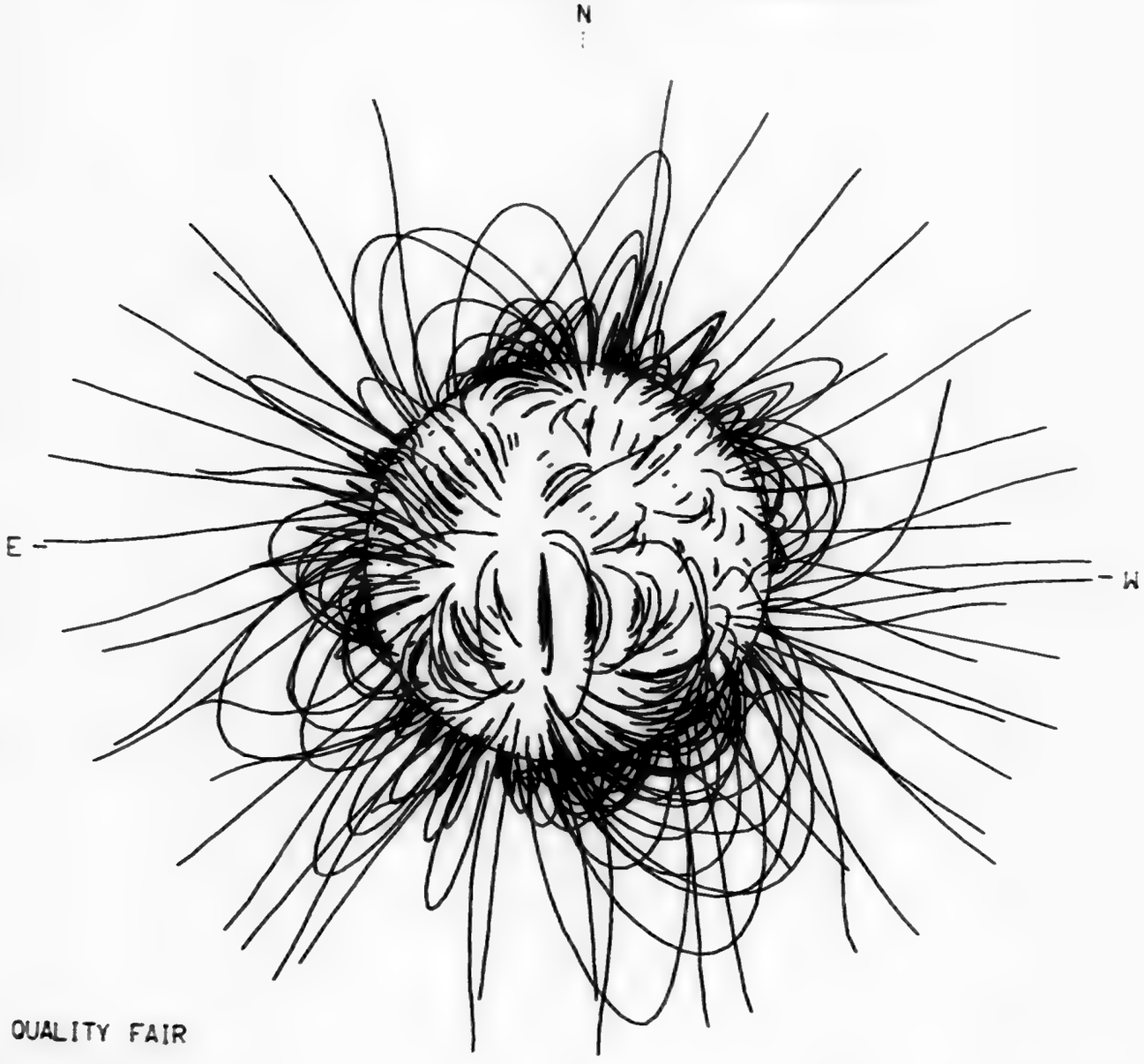
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1440 LONG. 290°

2.5 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

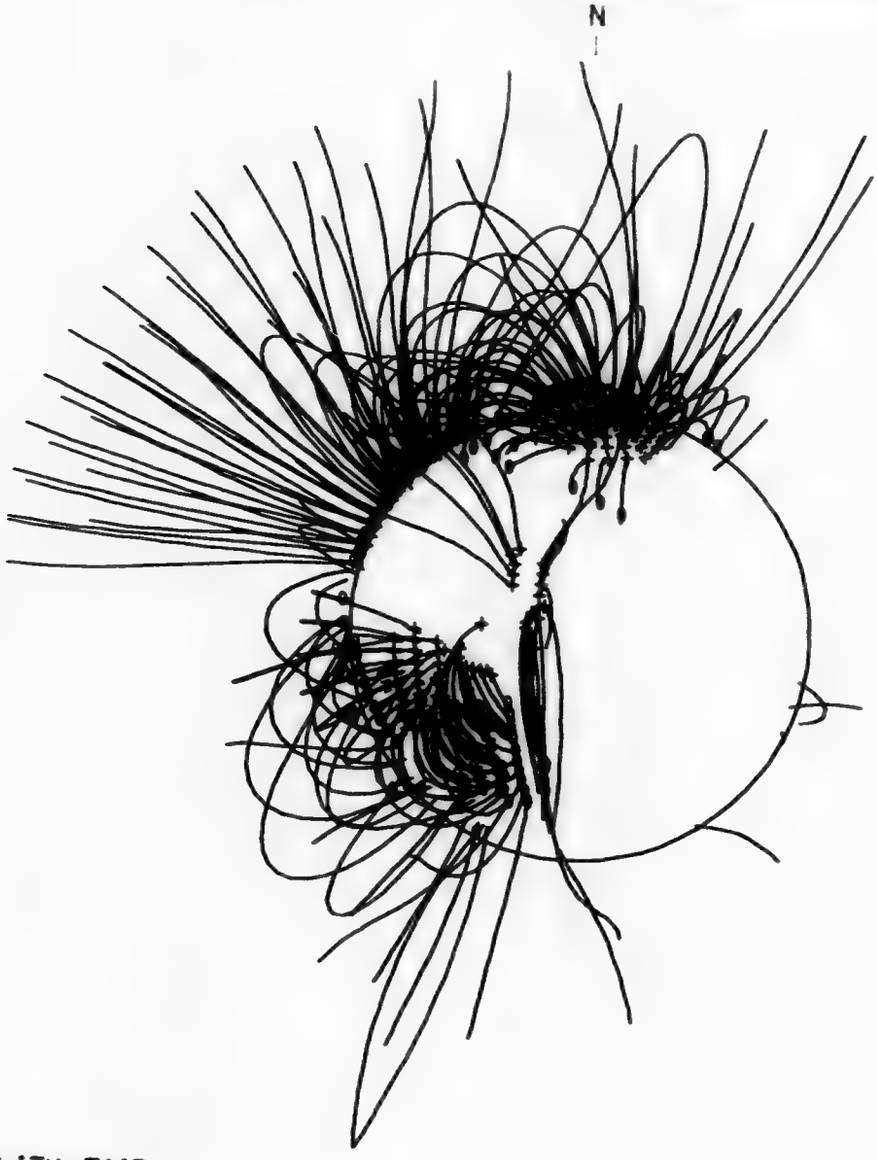
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1440 LONG. 28[illegible]°

3.2 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

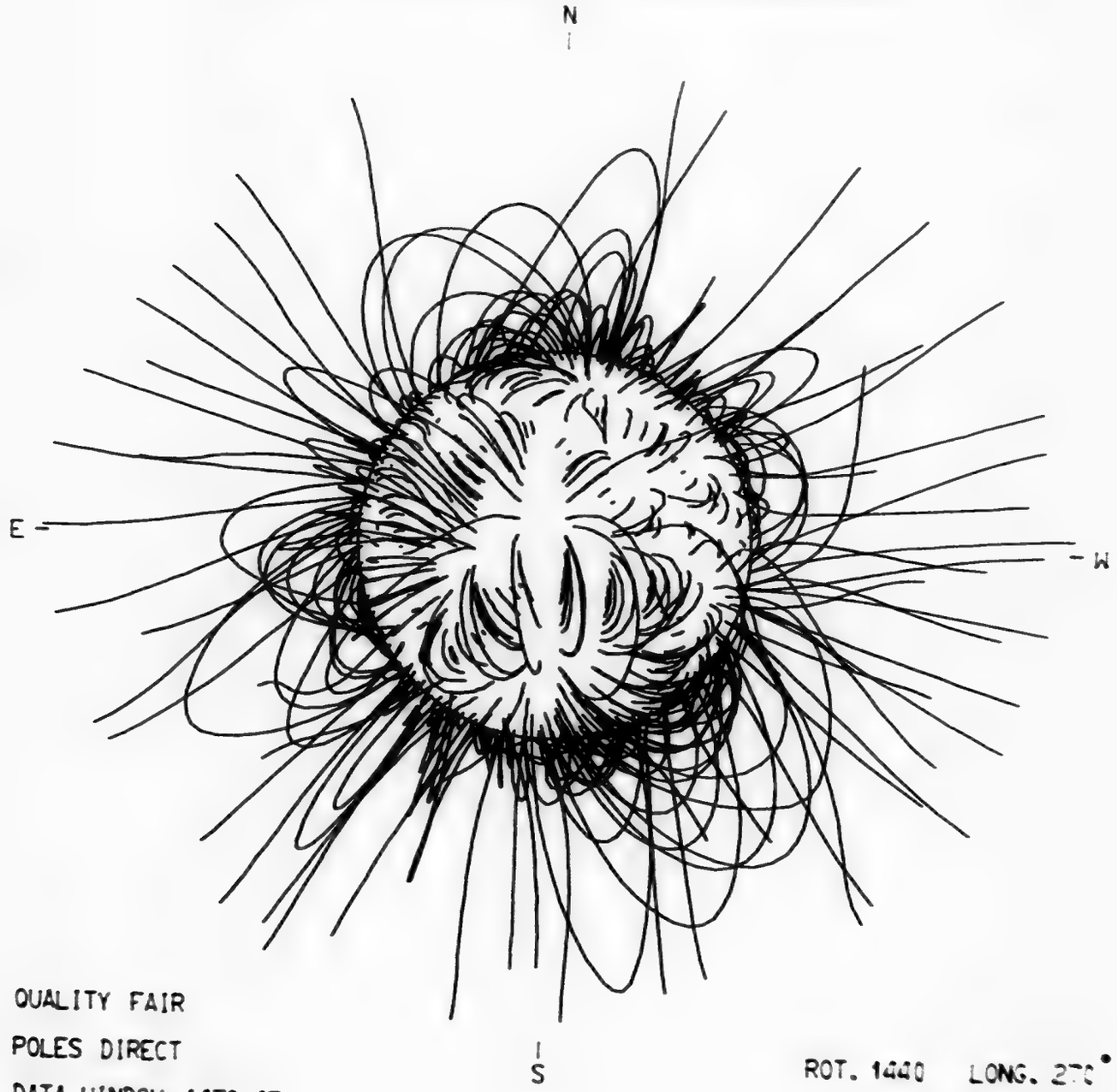
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1440 LONG. 280°

3.2 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

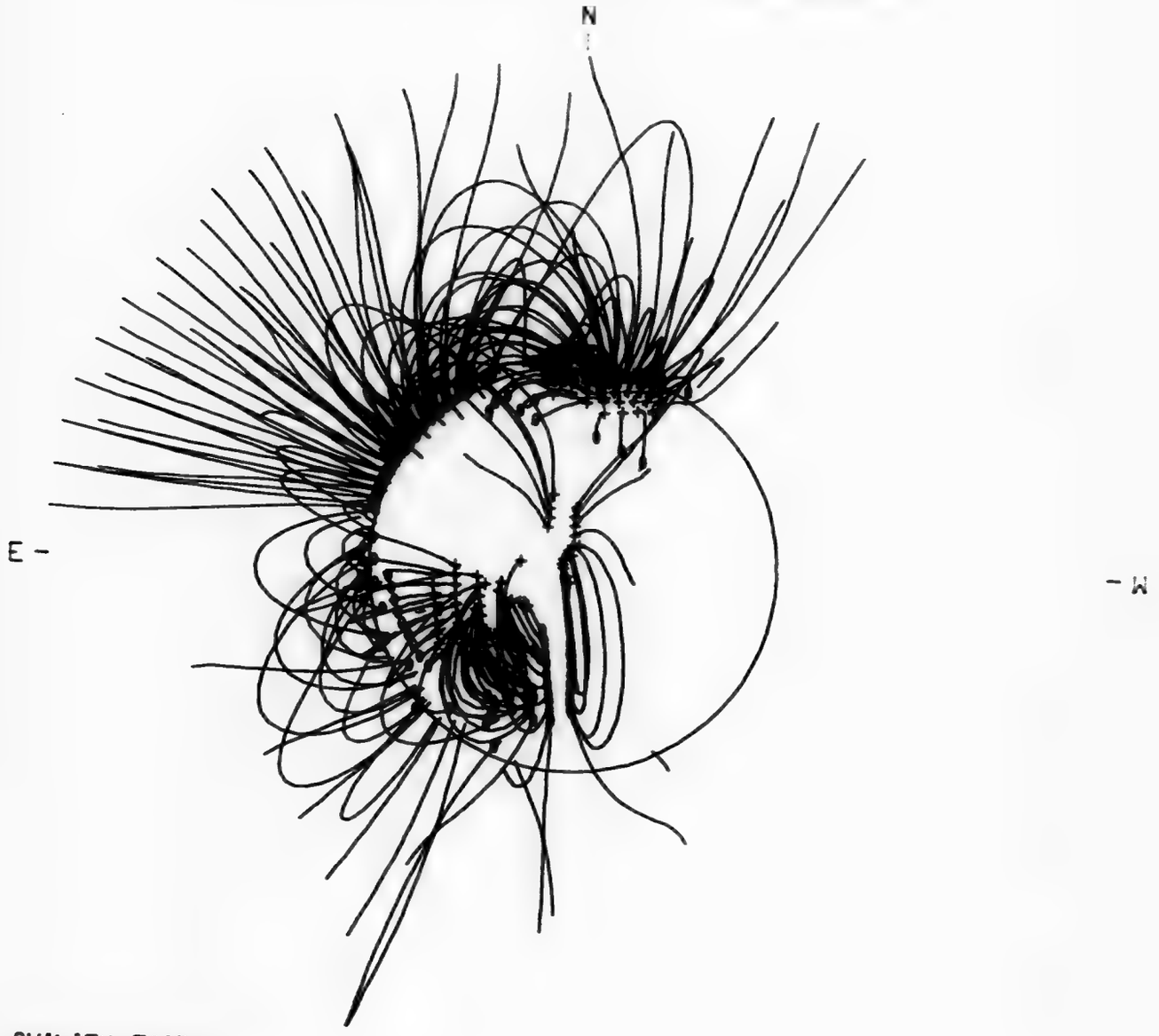
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1440 LONG. 27[illegible]°

4.0 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

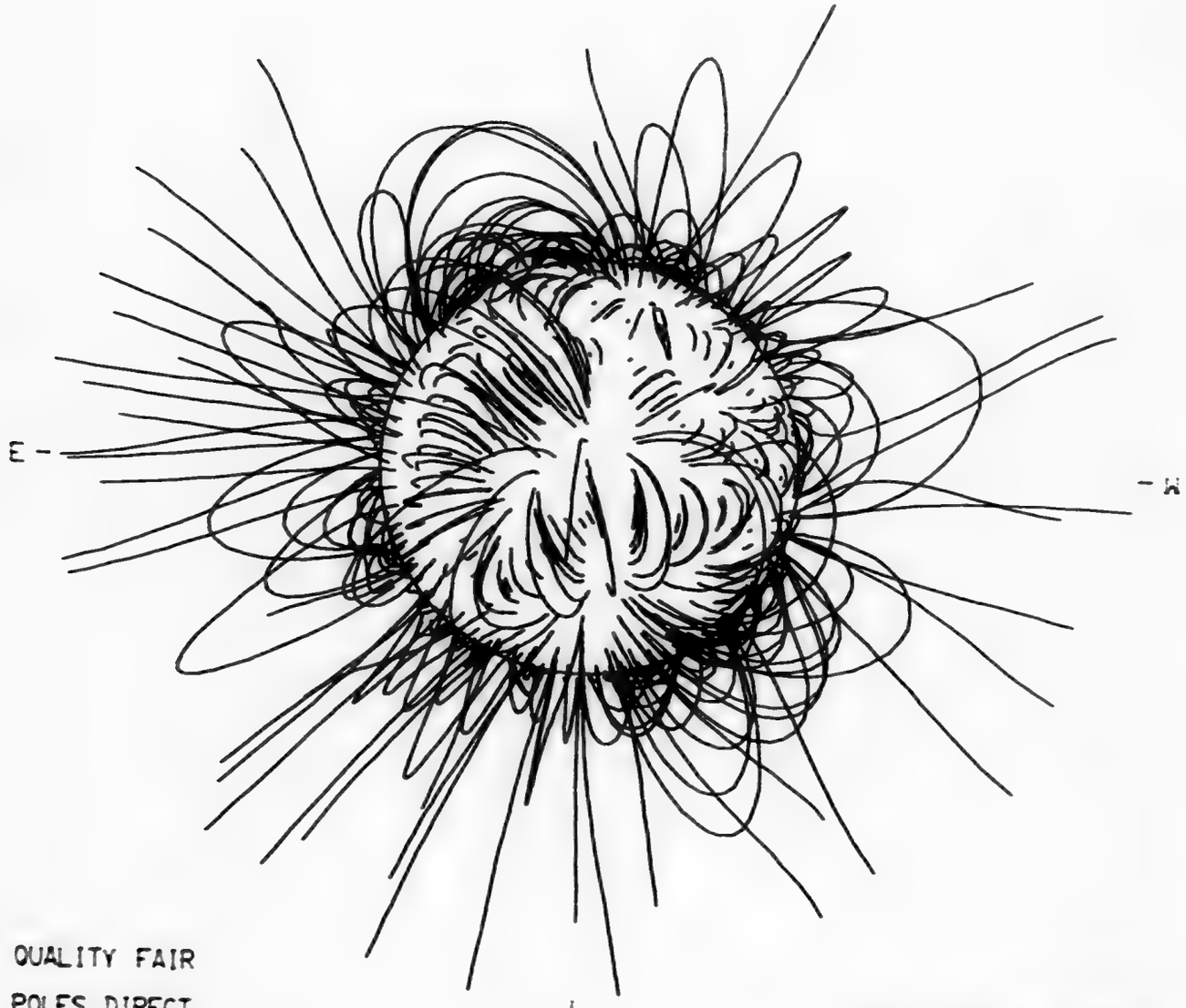
POLES DIRECT

DATA WINDOW 1439.47

ROT. 1440 LONG. 27?°

4.0 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

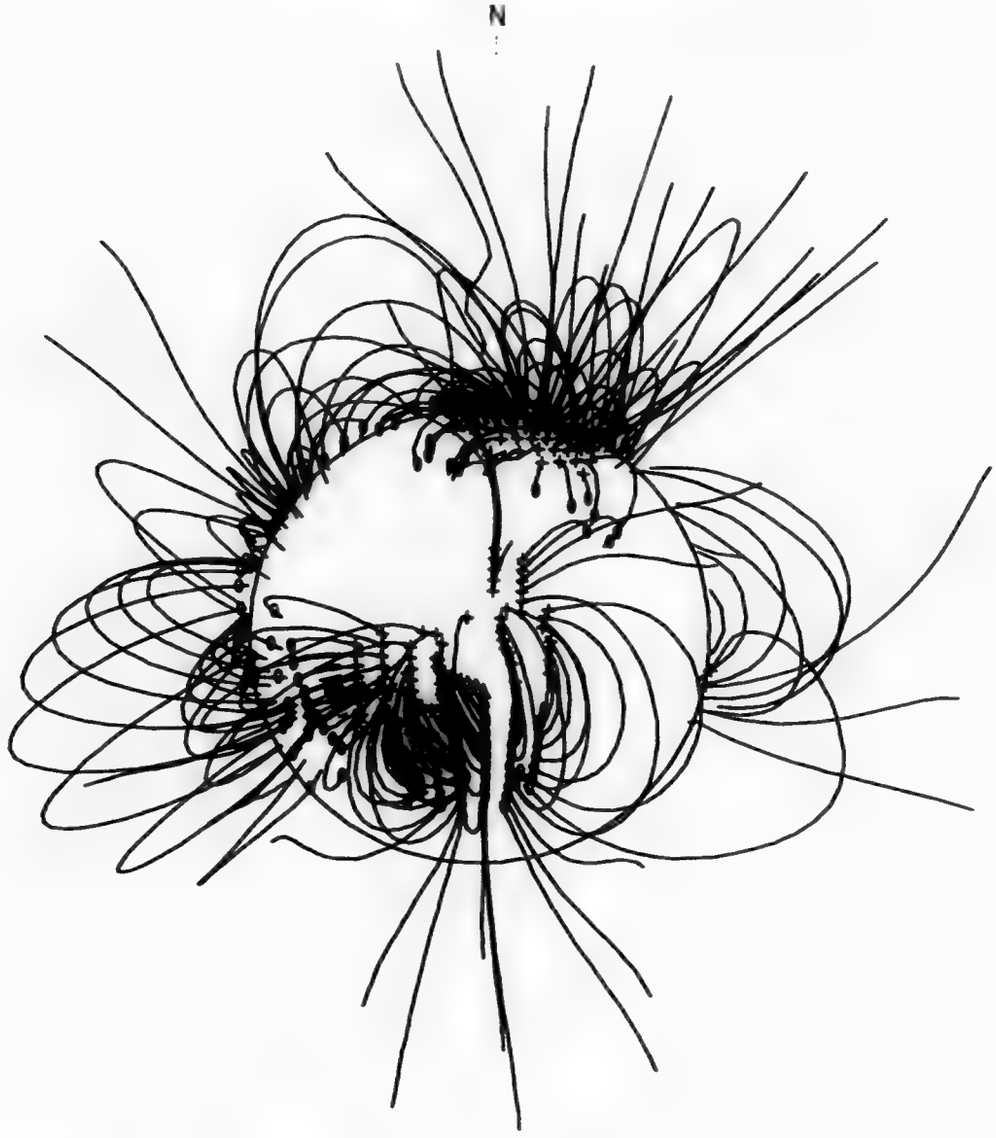
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 260°

4.7 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

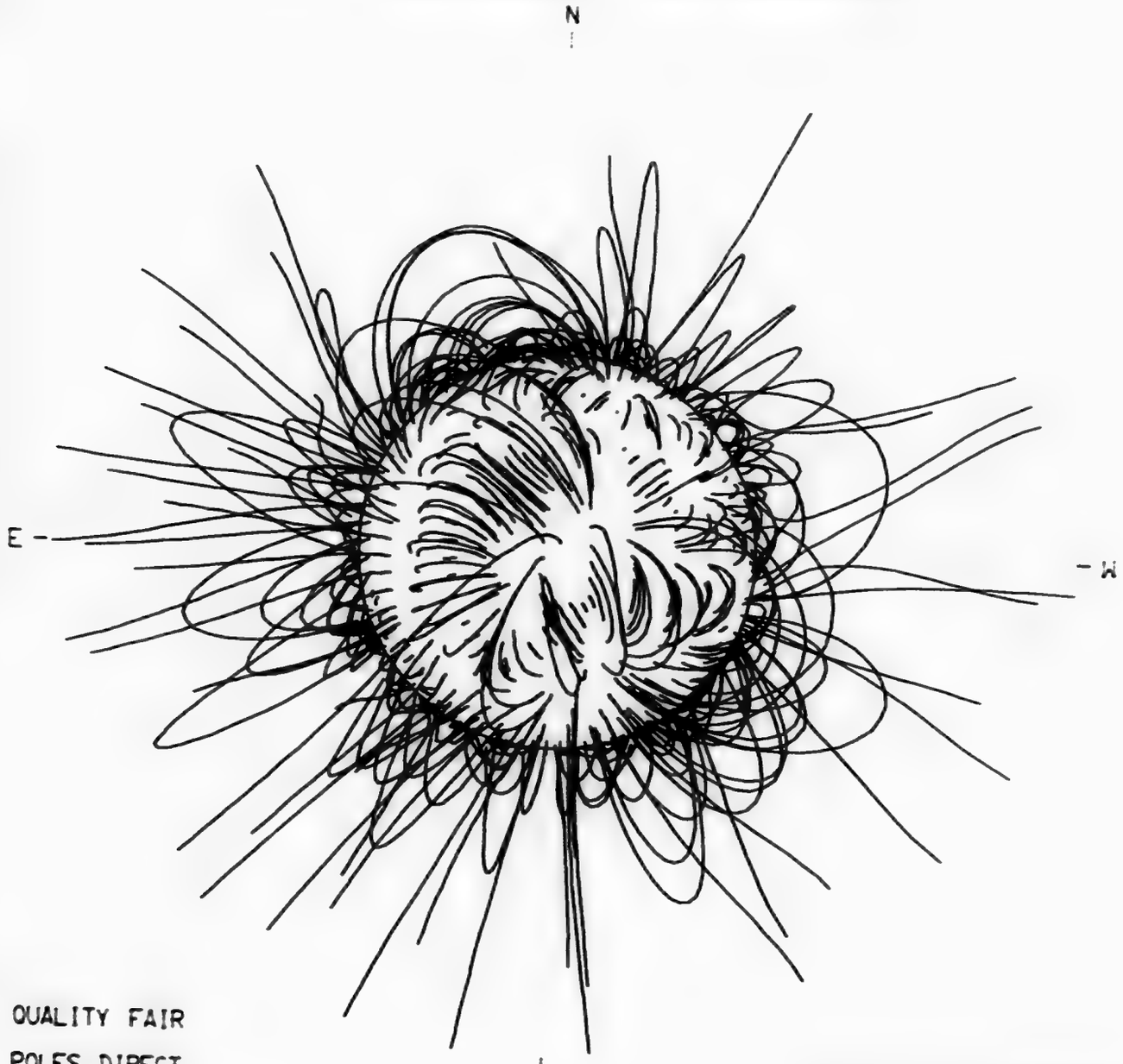
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 26[illegible]°

4.7 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

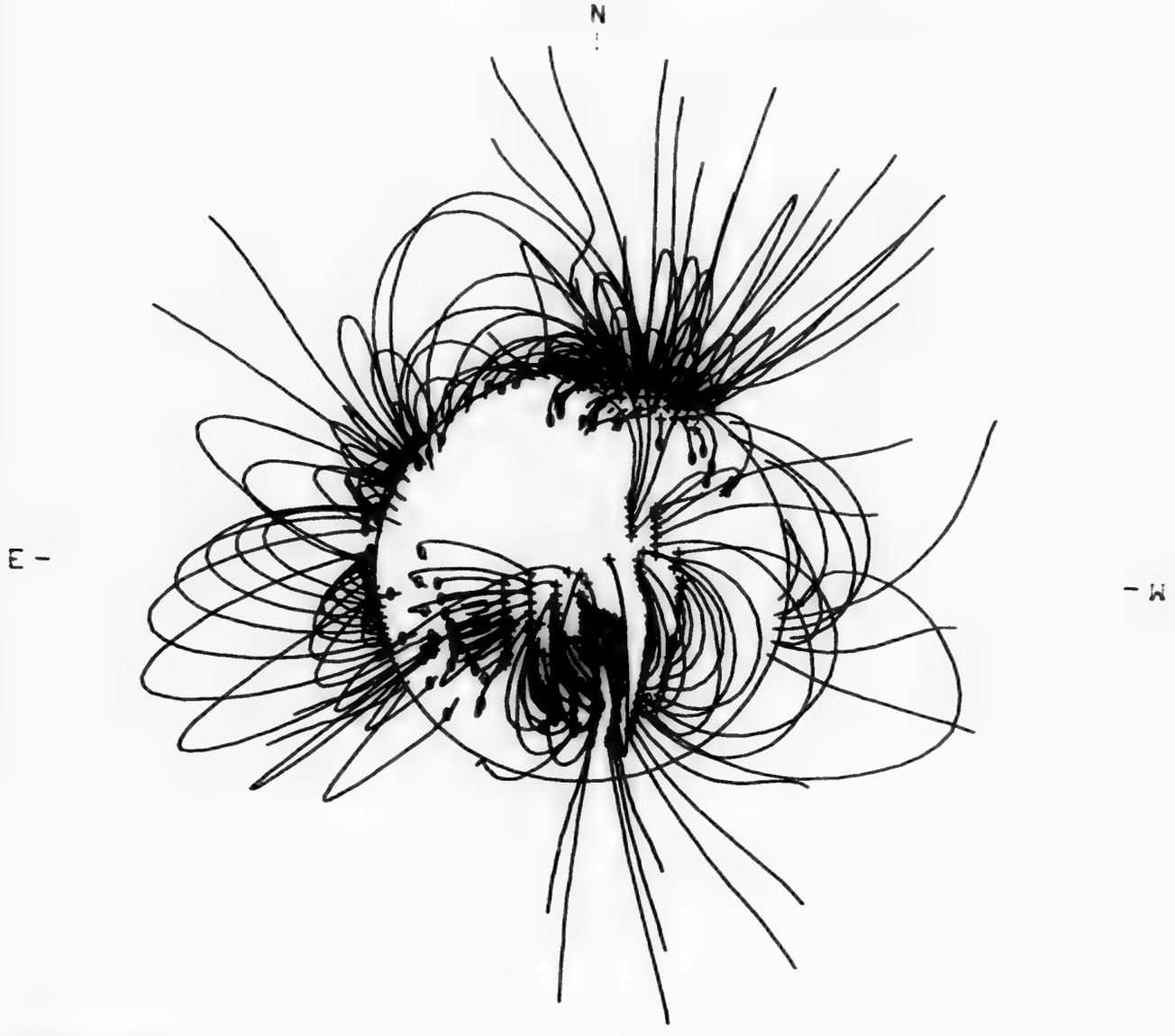
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 250°

5.5 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

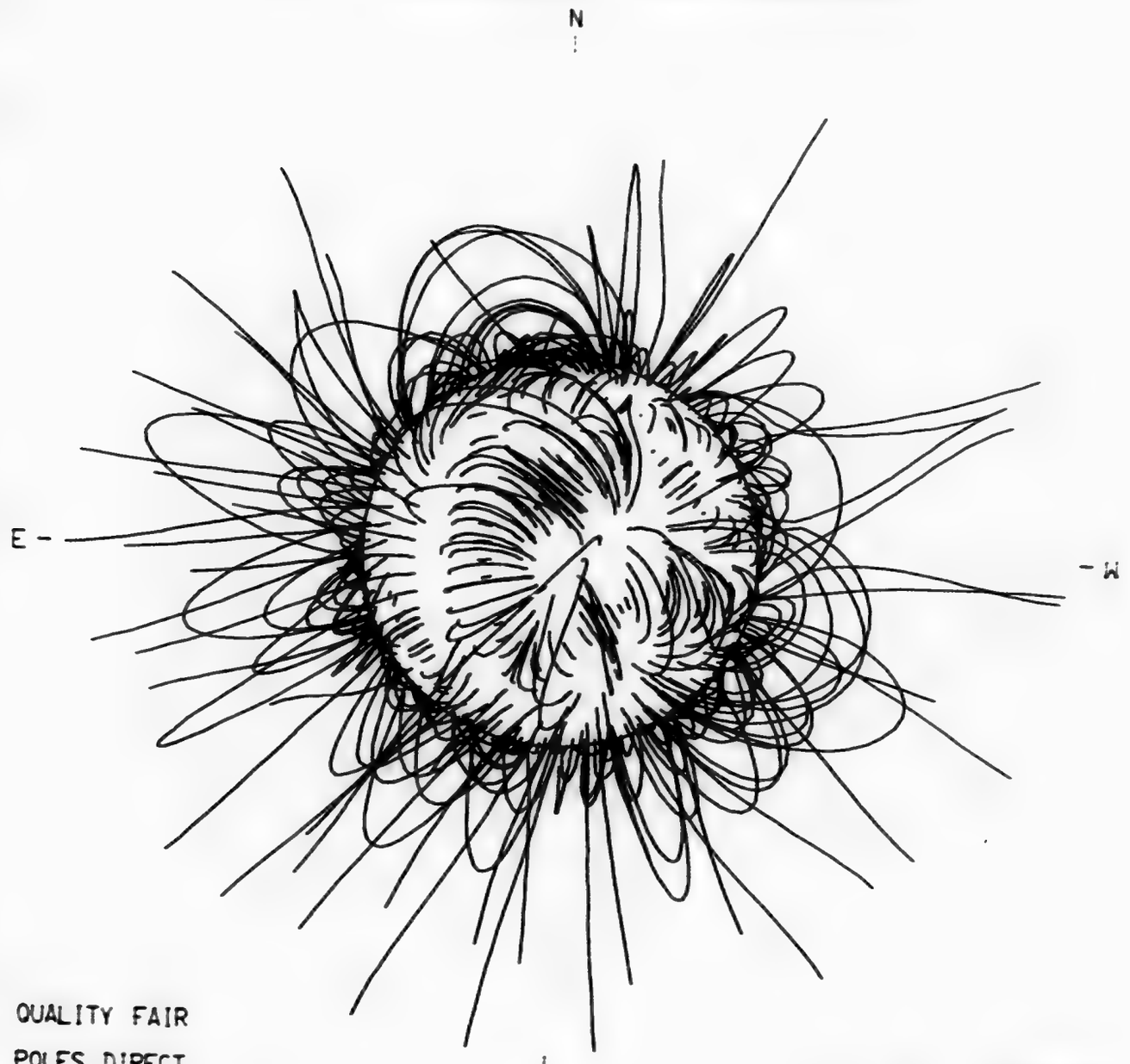
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 25[illegible]°

5.5 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

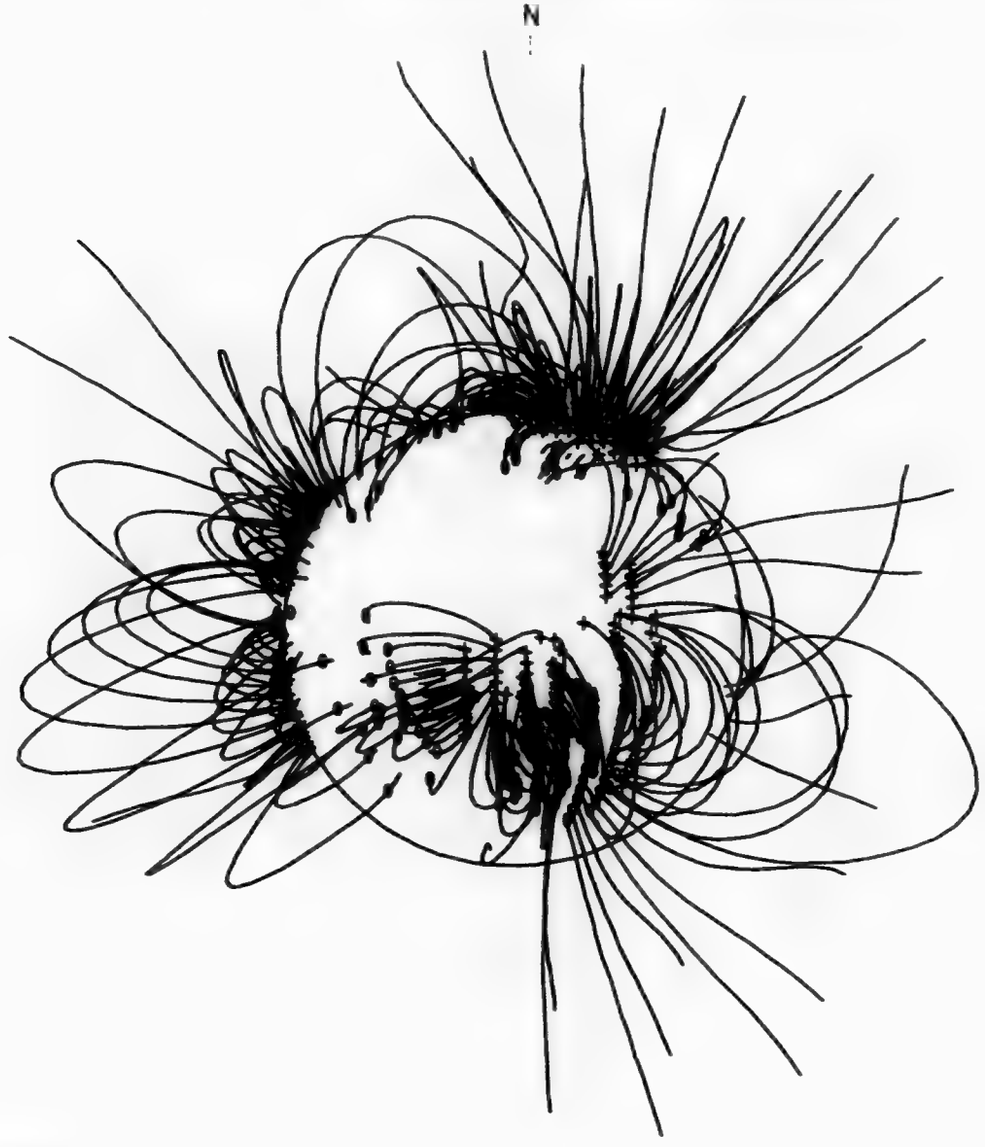
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 240°

6.2 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

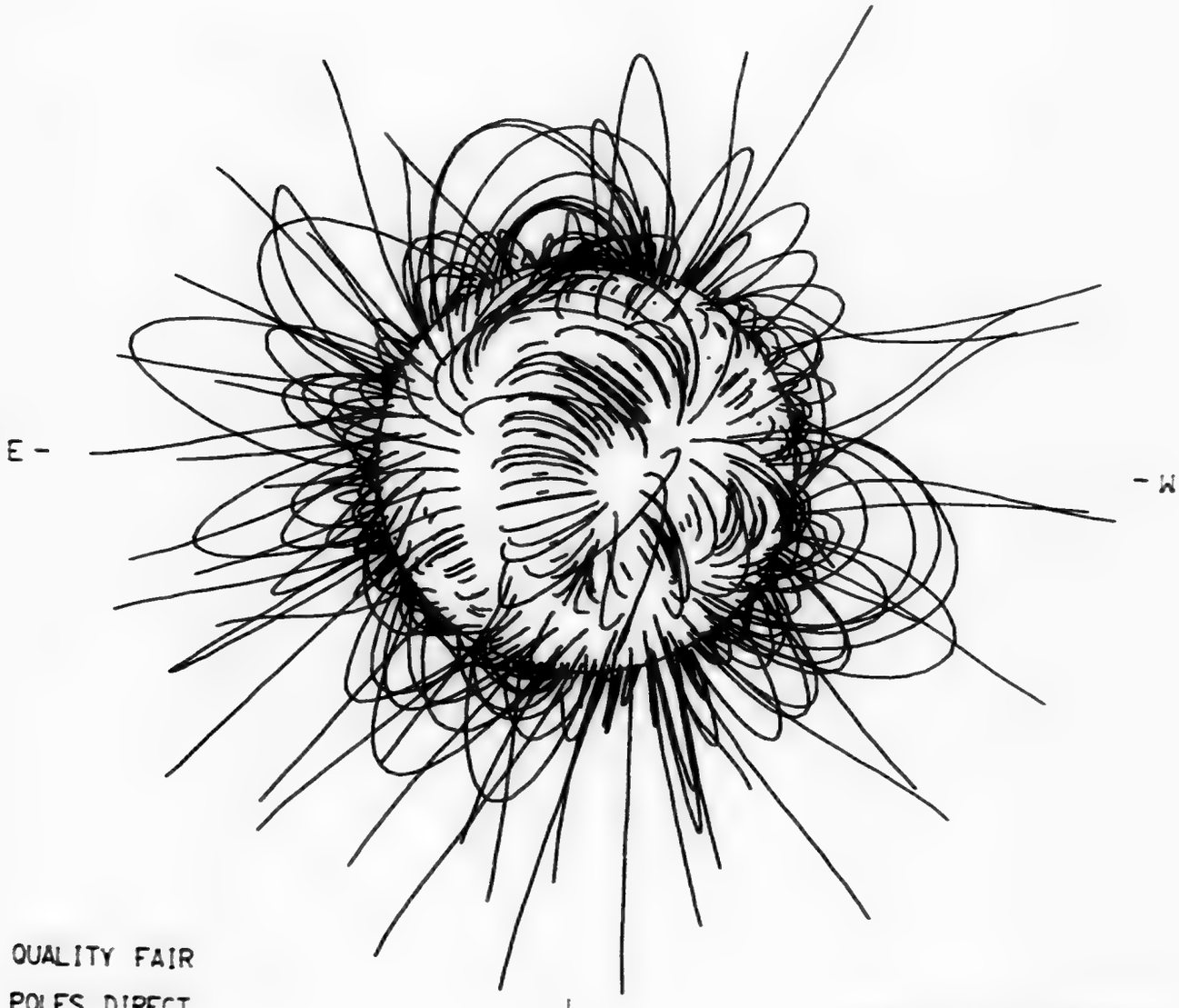
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 240°

6.2 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

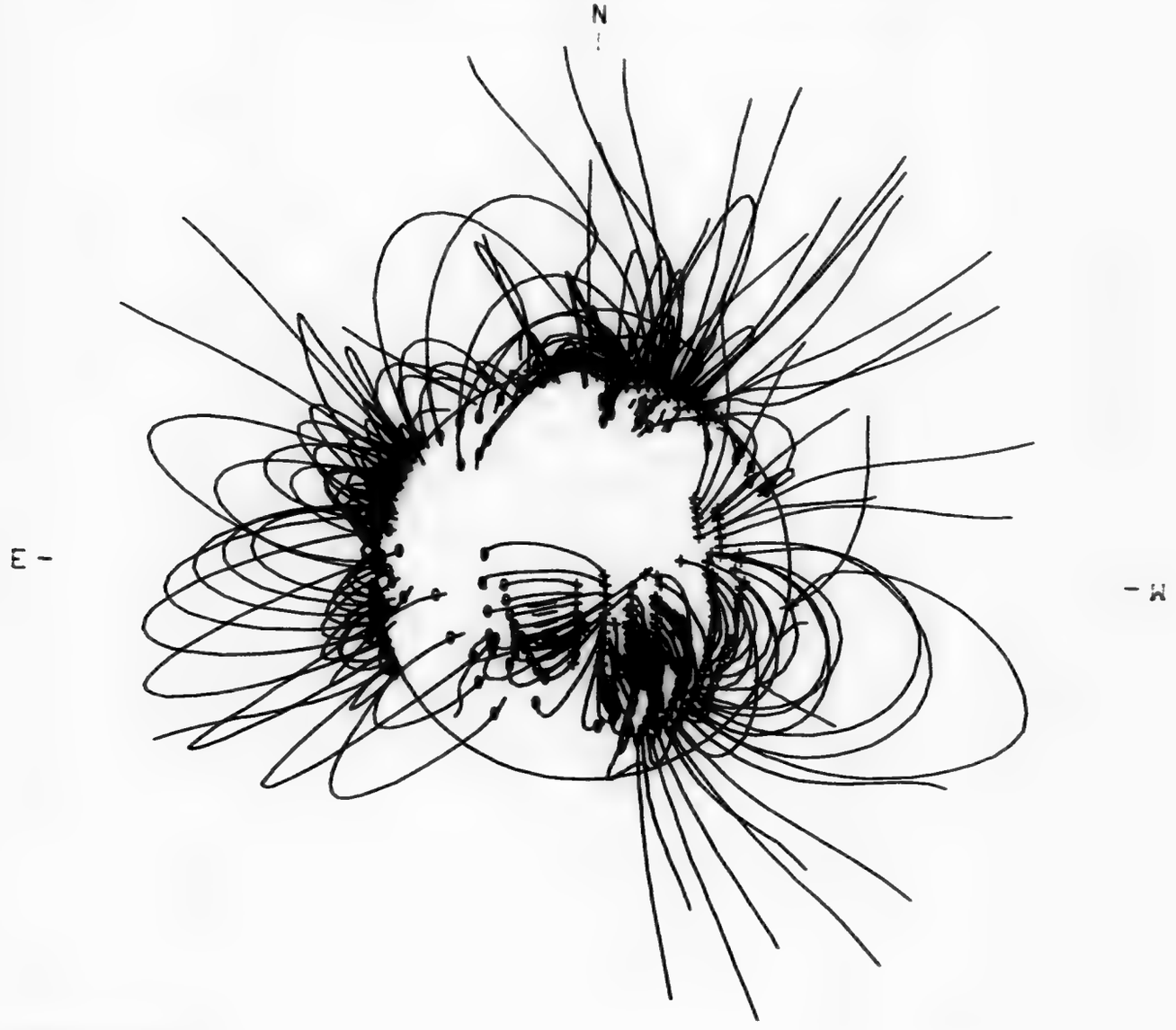
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 230°

7.0 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 230°

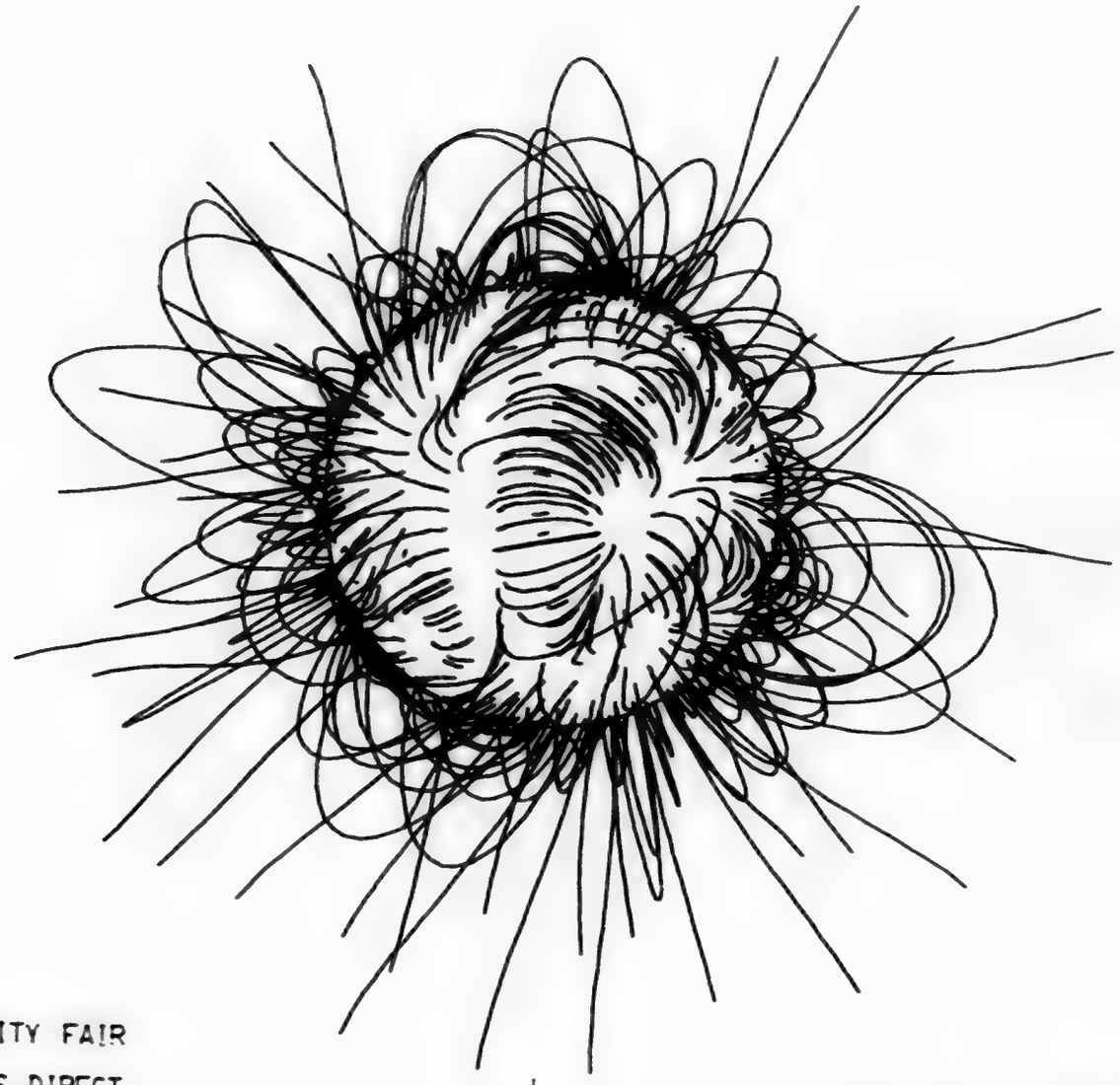
7.0 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY FAIR

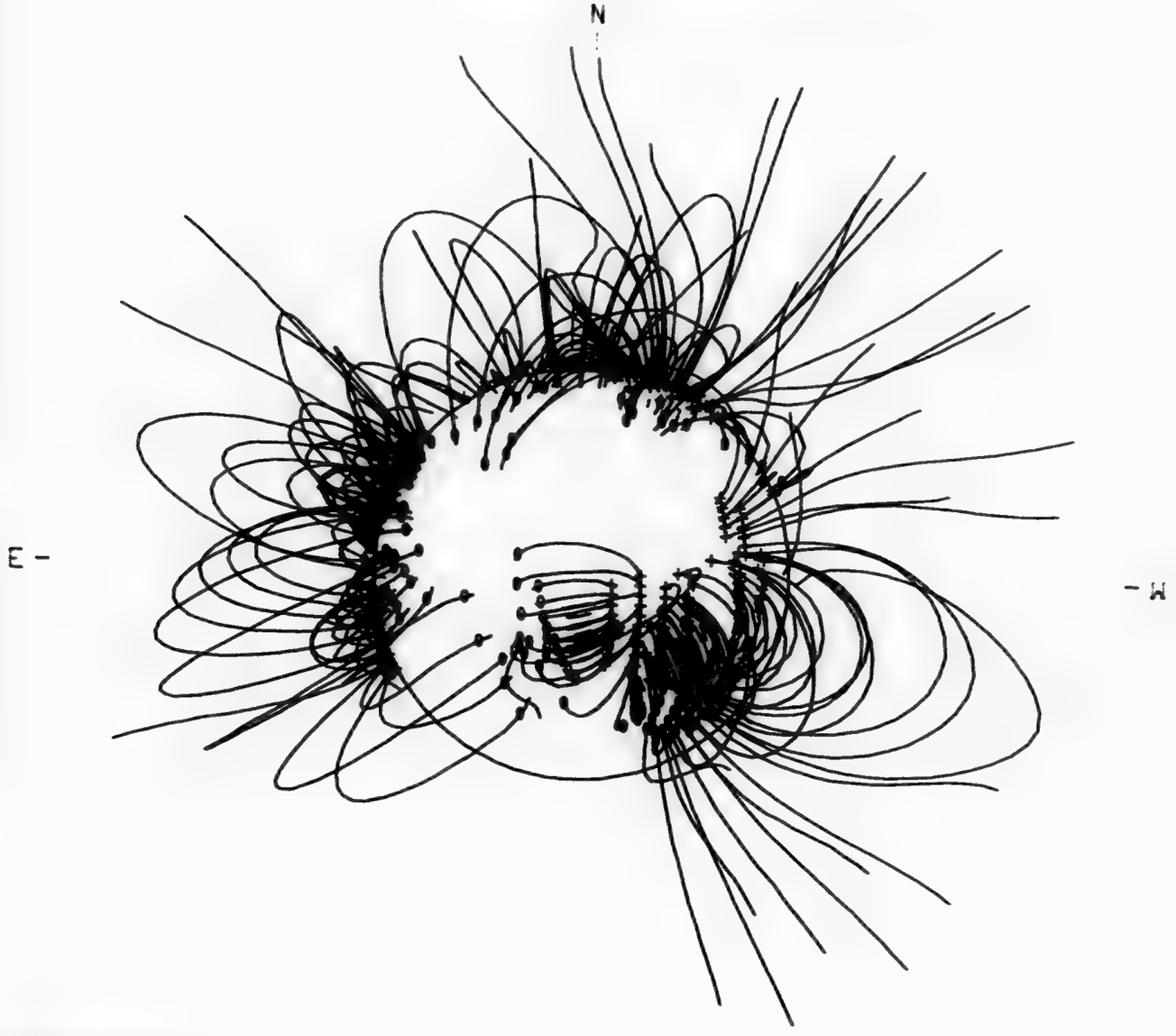
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 220°

7.7 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

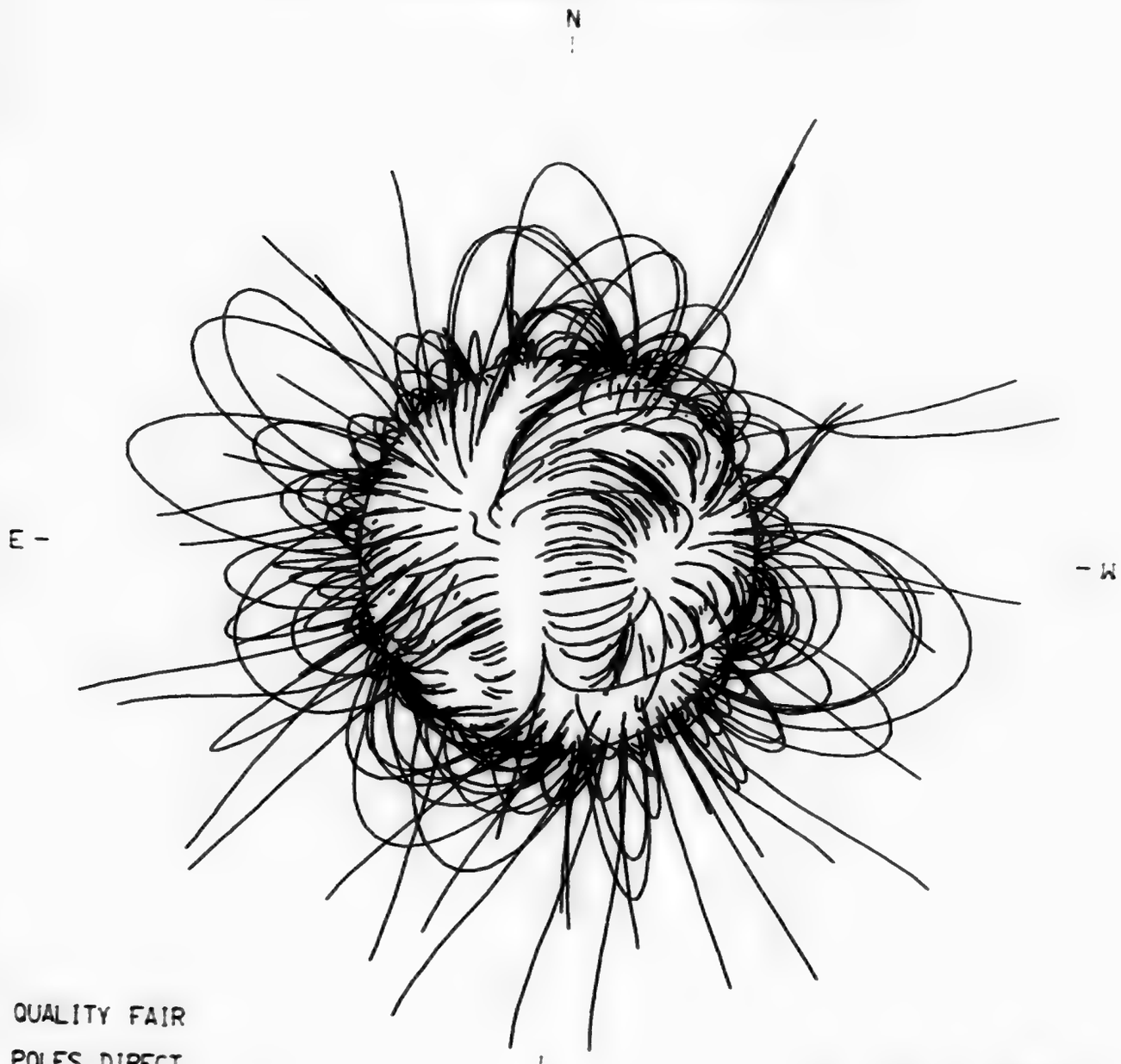
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 220°

7.7 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

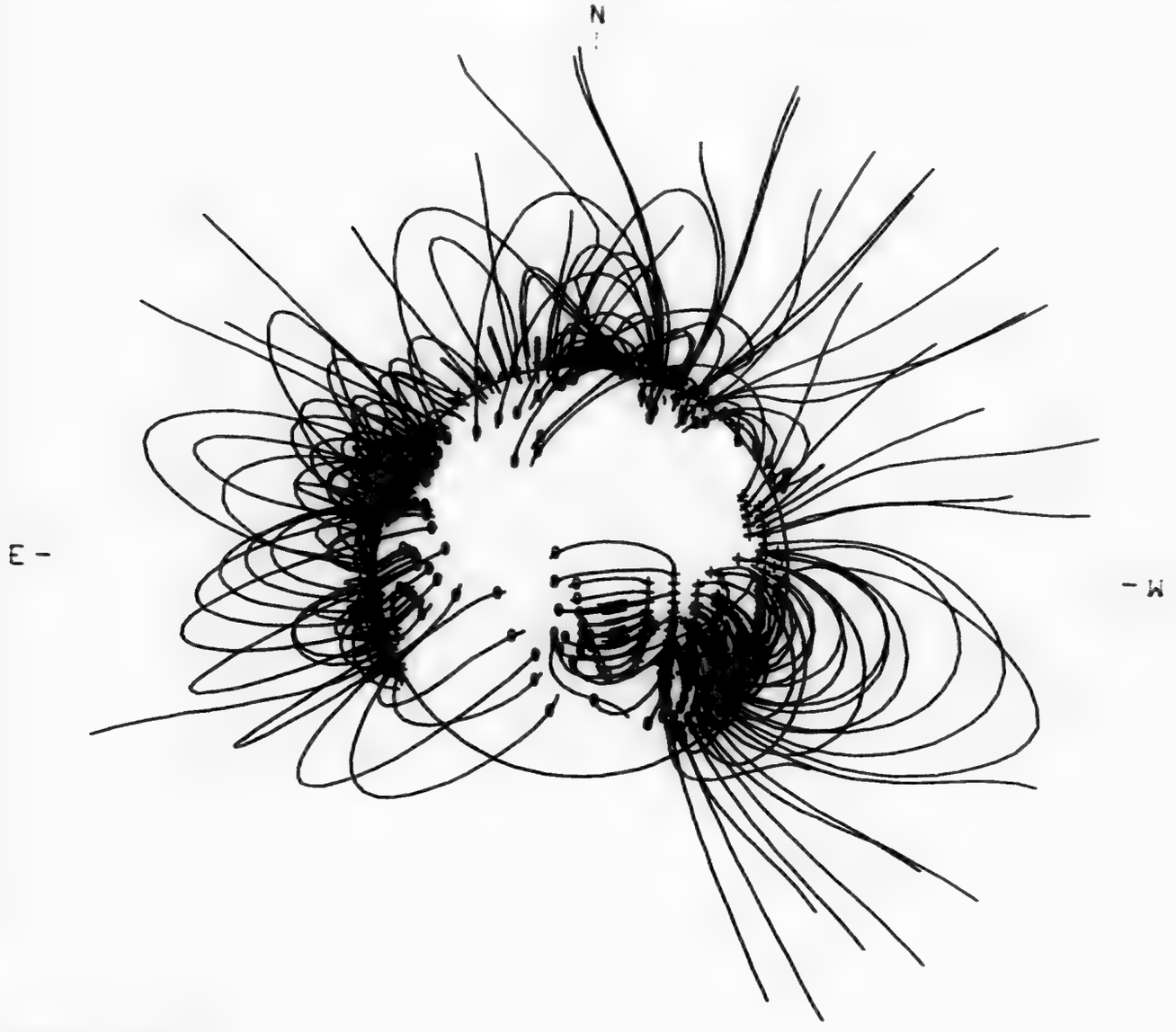
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 21°

8.5 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

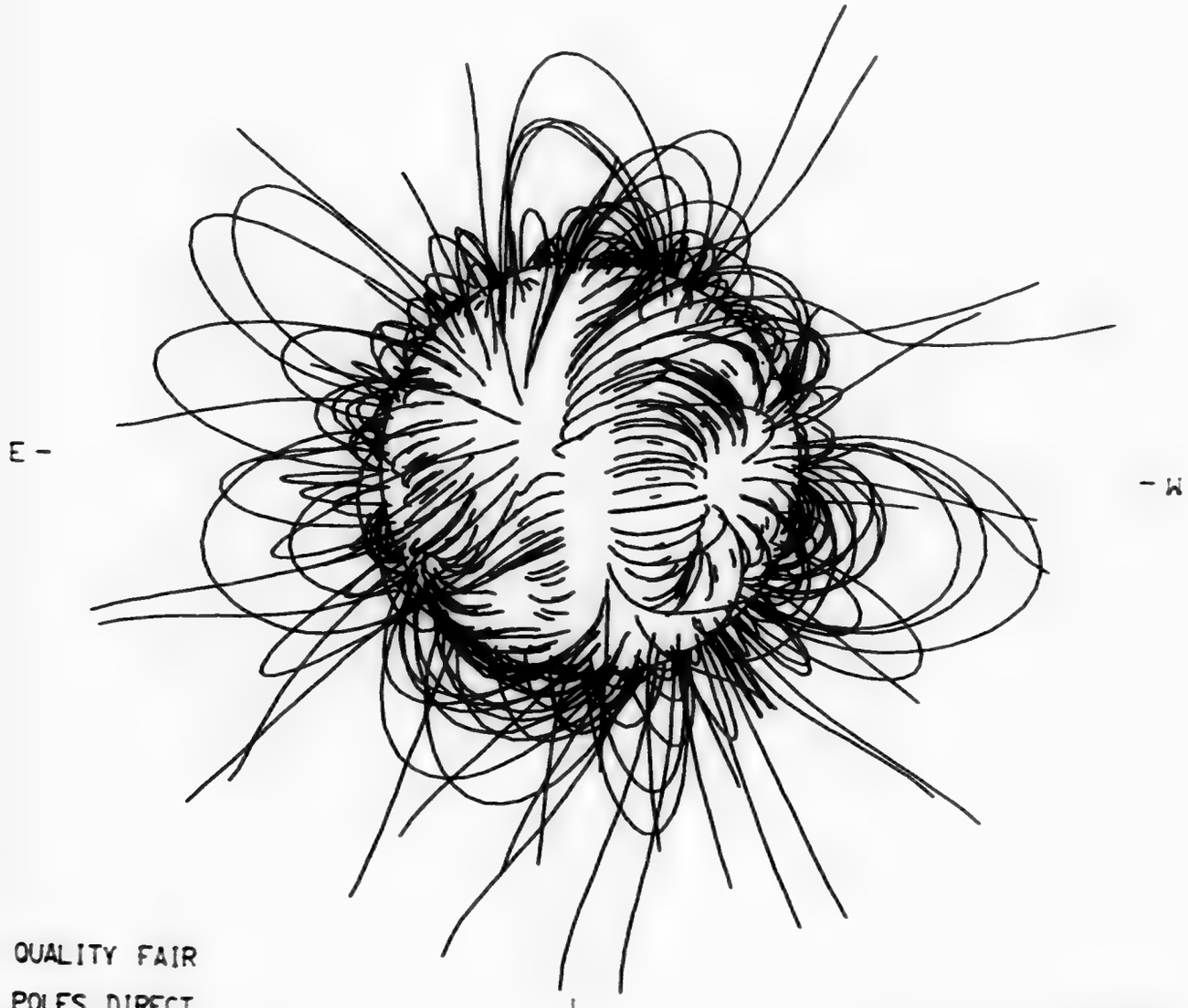
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 21°

8.5 MAY 1951

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 200°

9.3 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

QUALITY FAIR

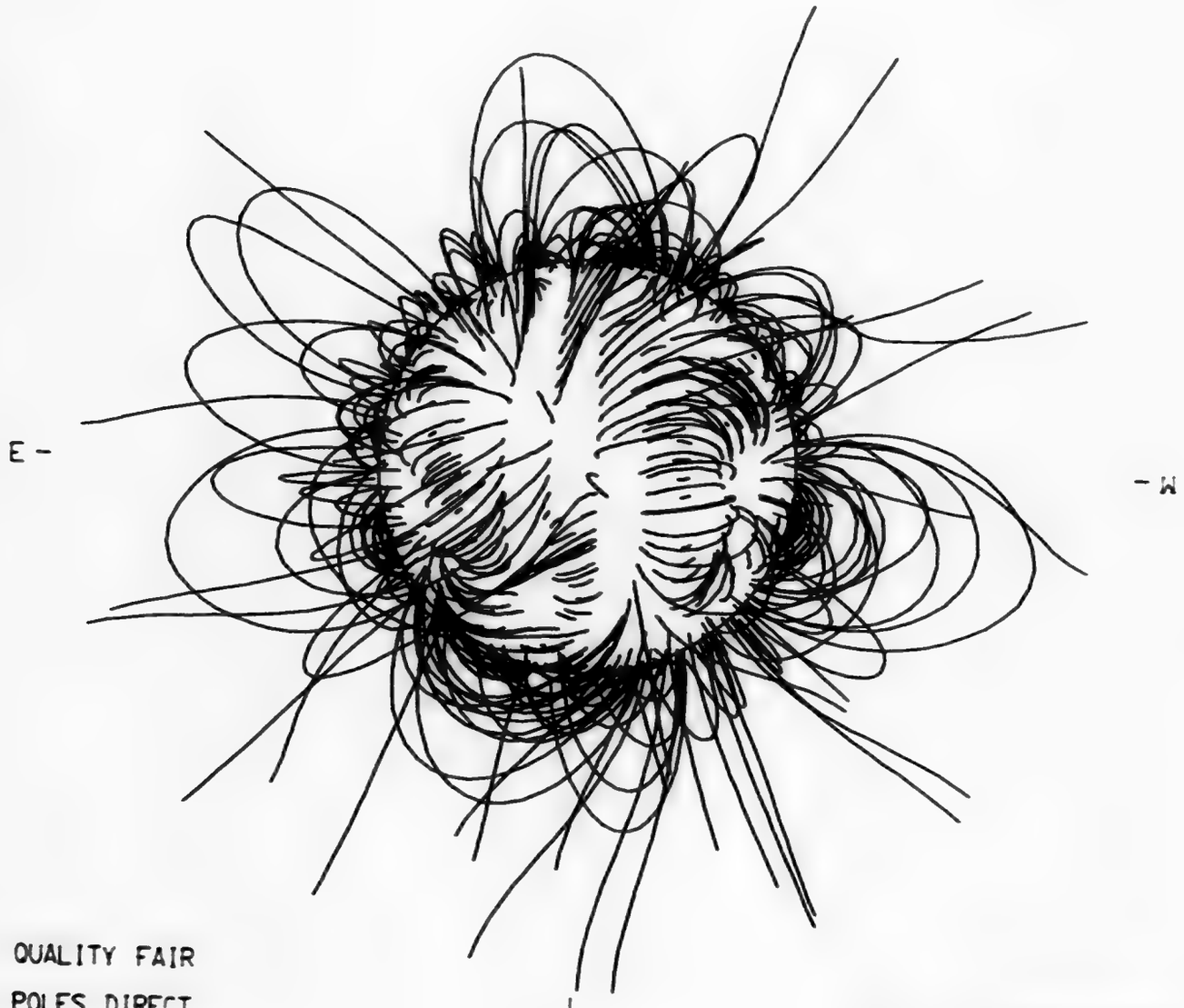
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 200°

9.3 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 190°

10.0 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

QUALITY FAIR

POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 190°

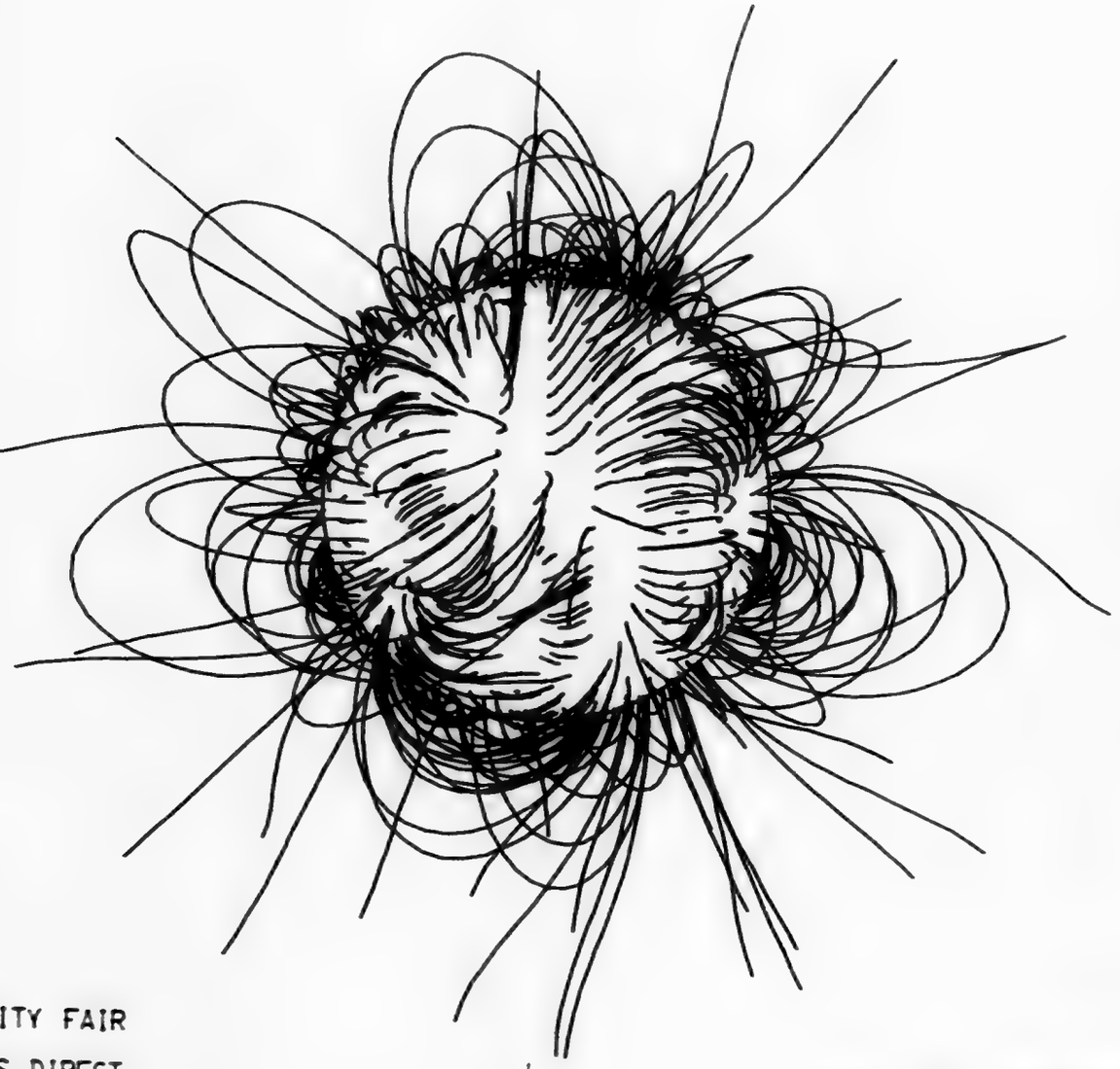
10.0 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY FAIR

POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 180°

10.8 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

QUALITY FAIR

POLES DIRECT

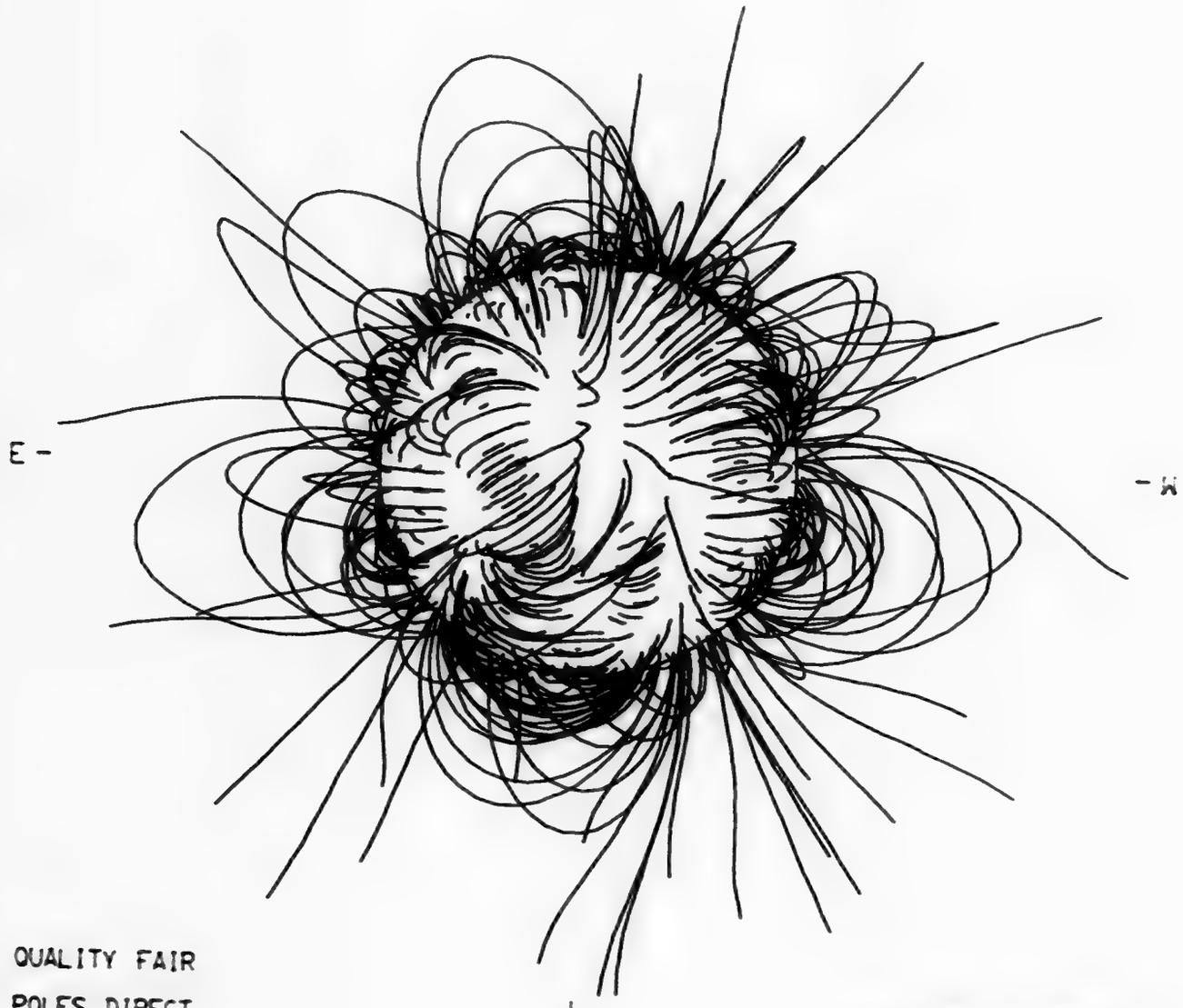
DATA WINDOW 1440.00

ROT. 1440 LONG. 180°

10.8 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



S

QUALITY FAIR

POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 17?°

11.5 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

QUALITY FAIR

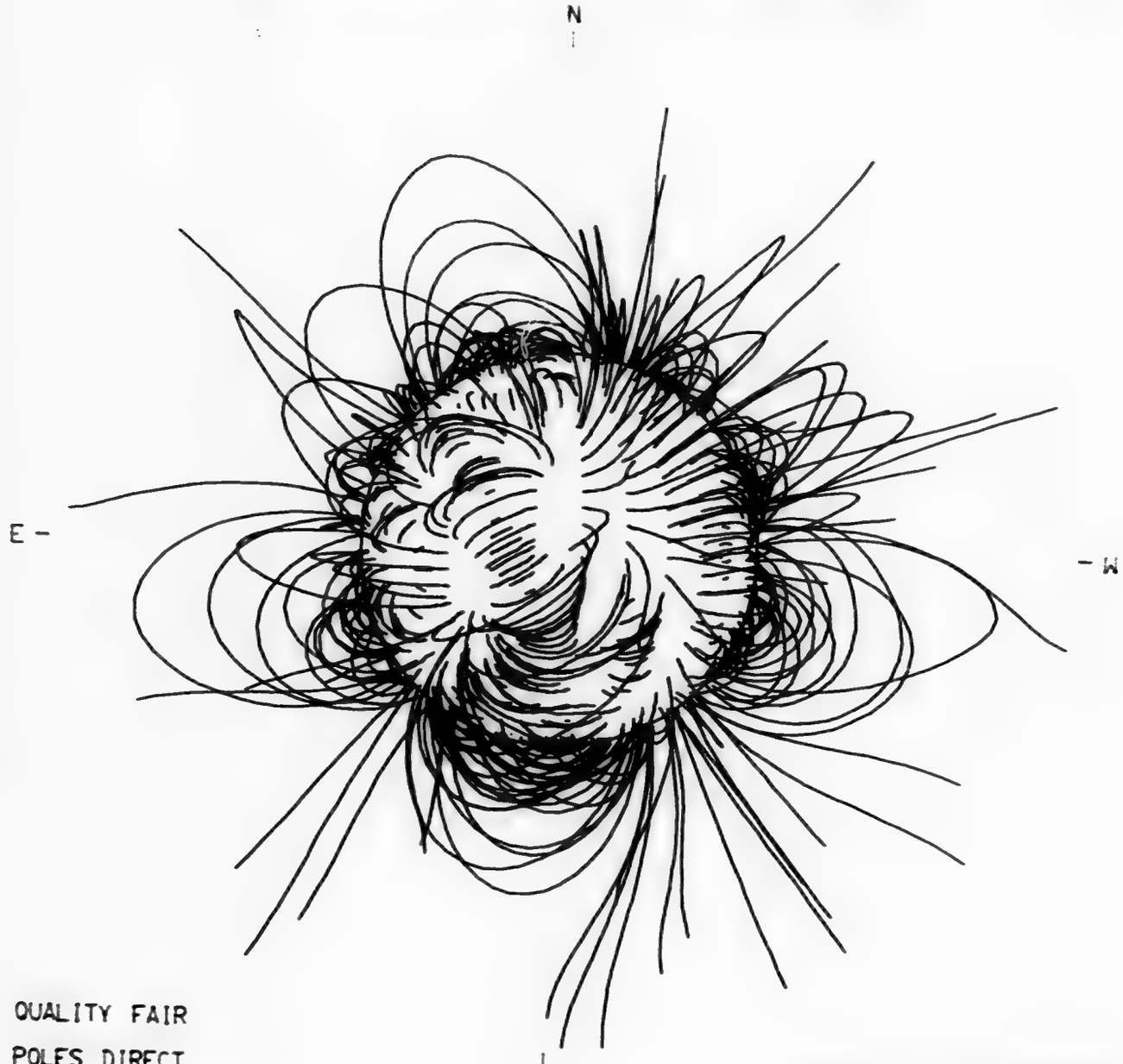
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 172°

11.5 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

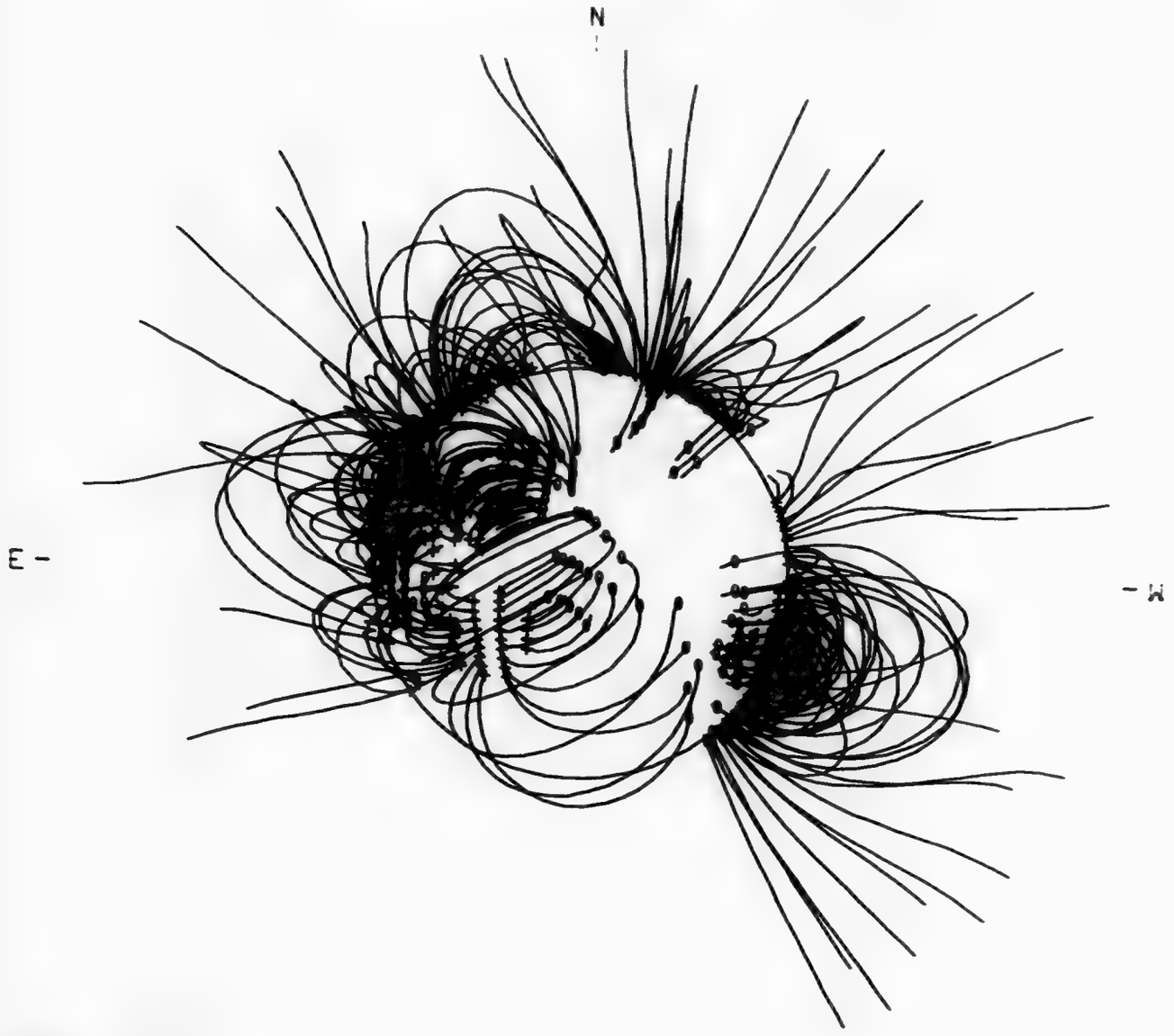
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 160°

12.3 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 160°

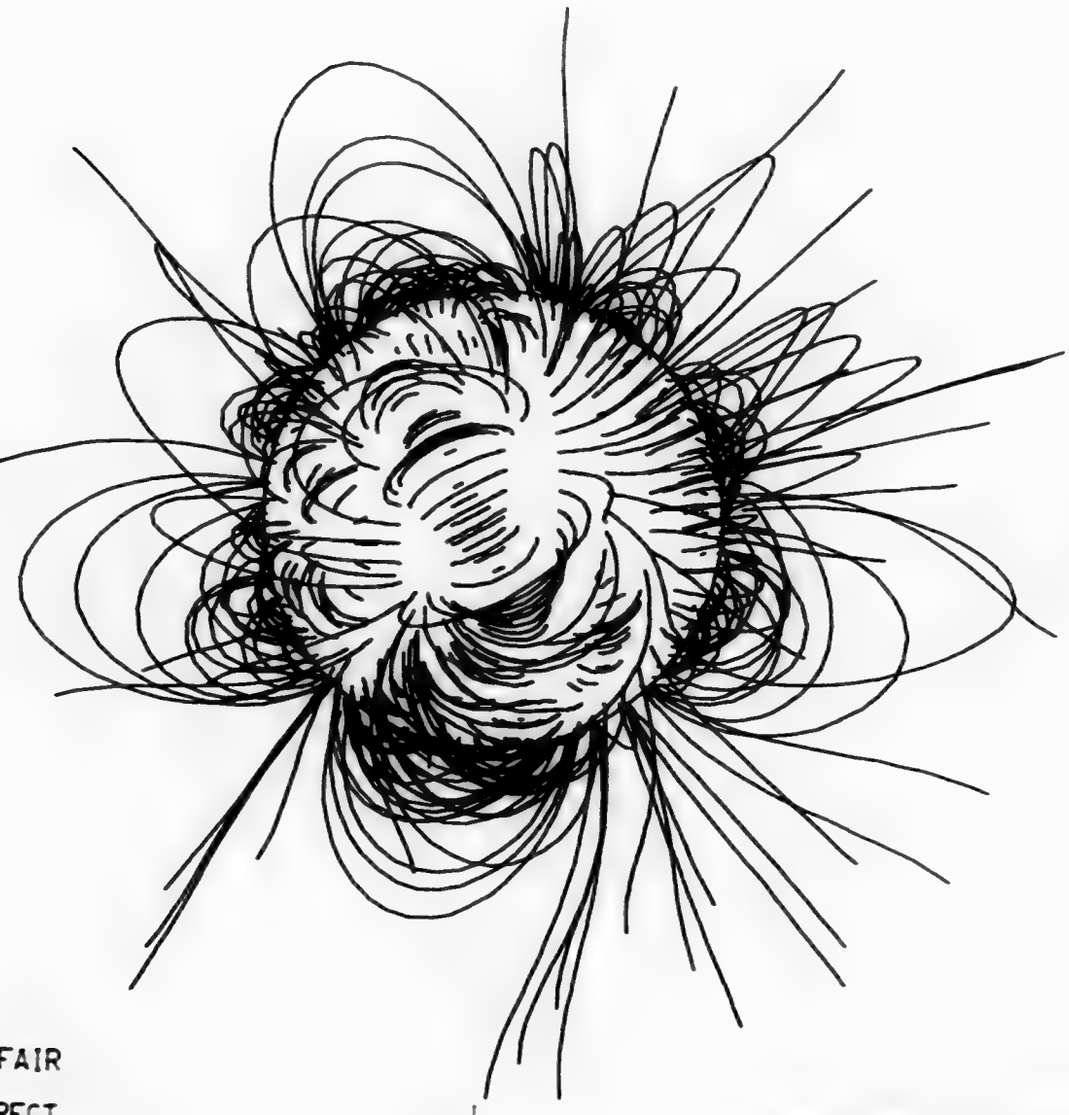
12.3 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY FAIR

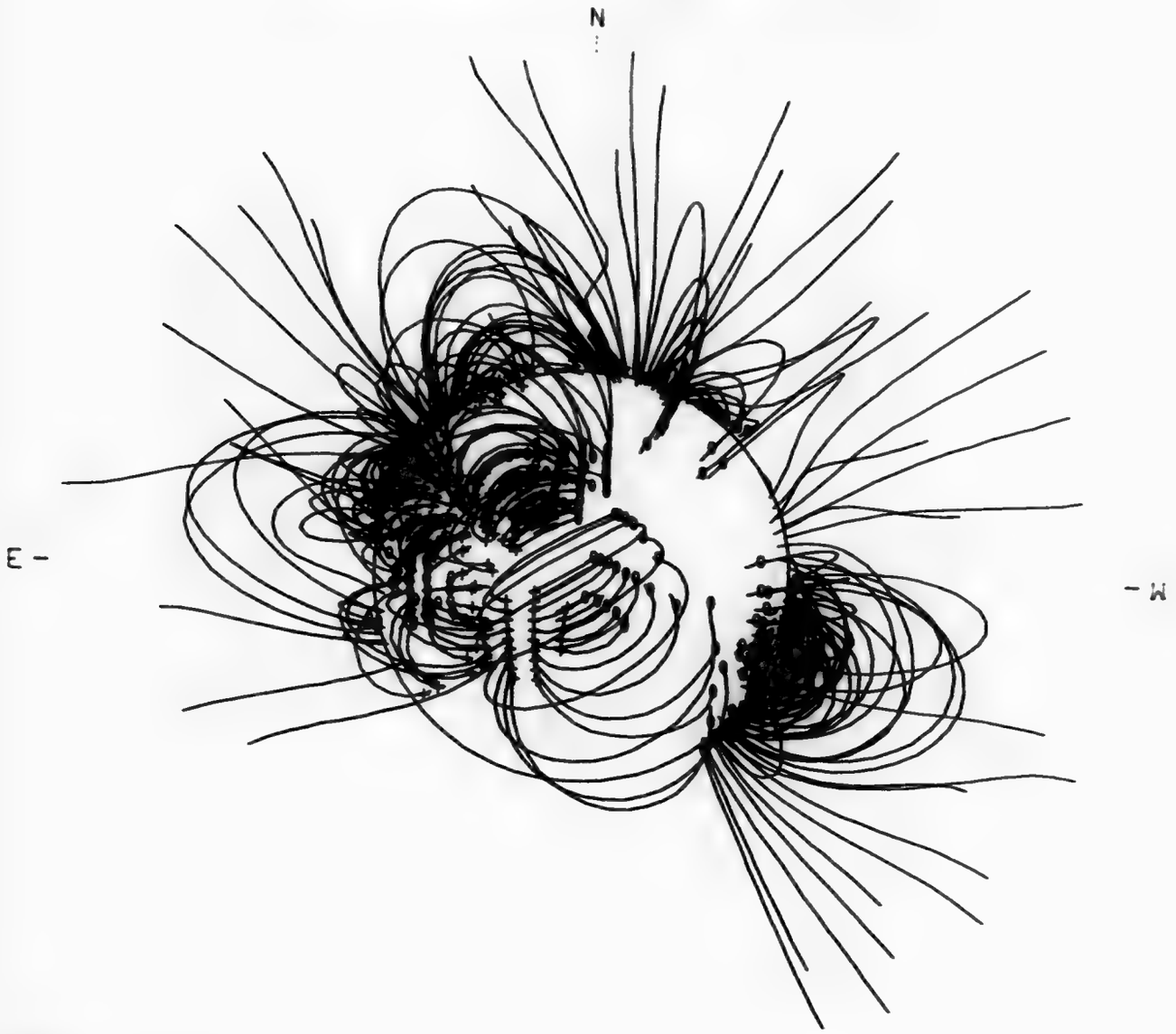
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 152°

13.0 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

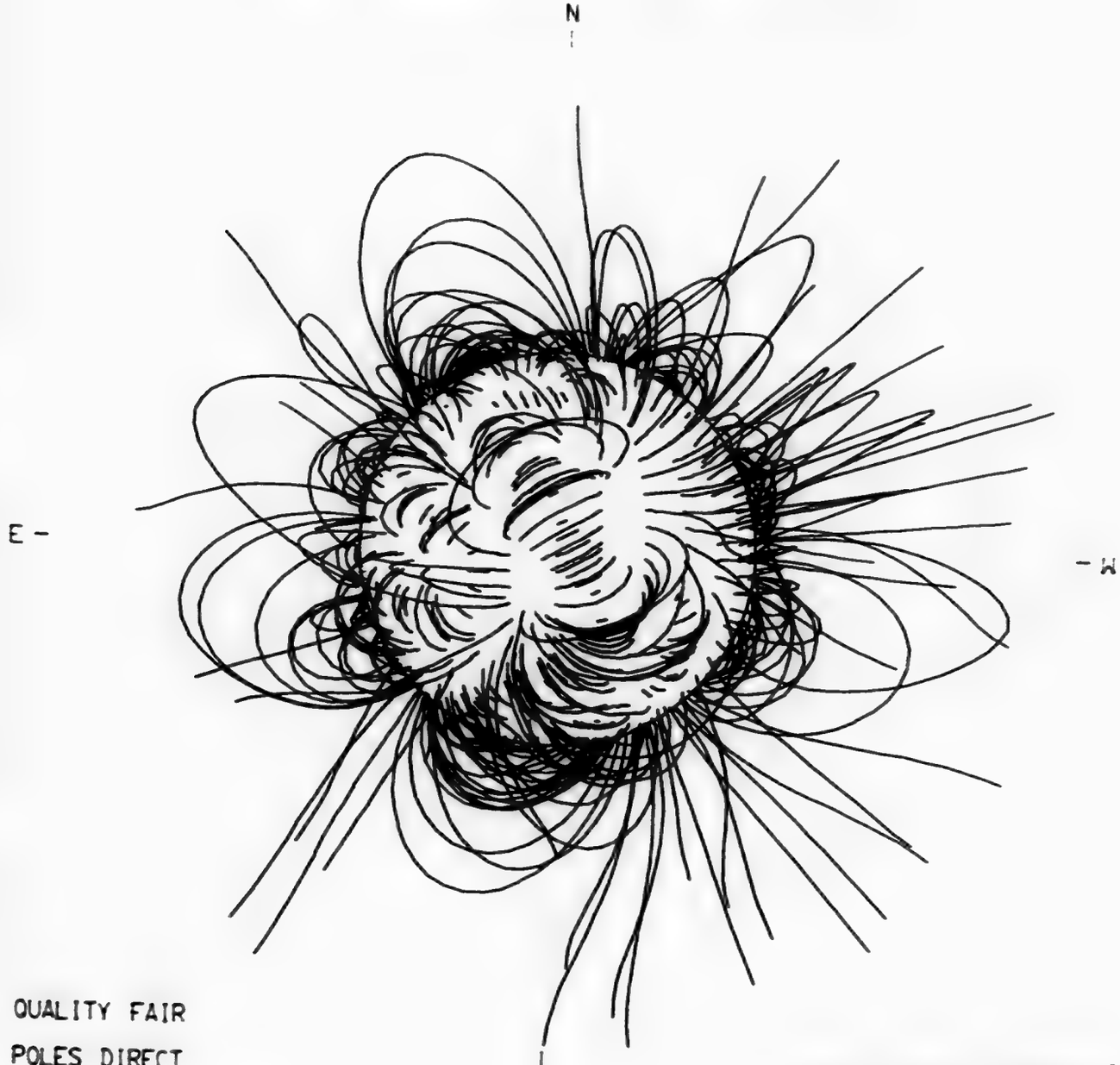
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 153°

13.0 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

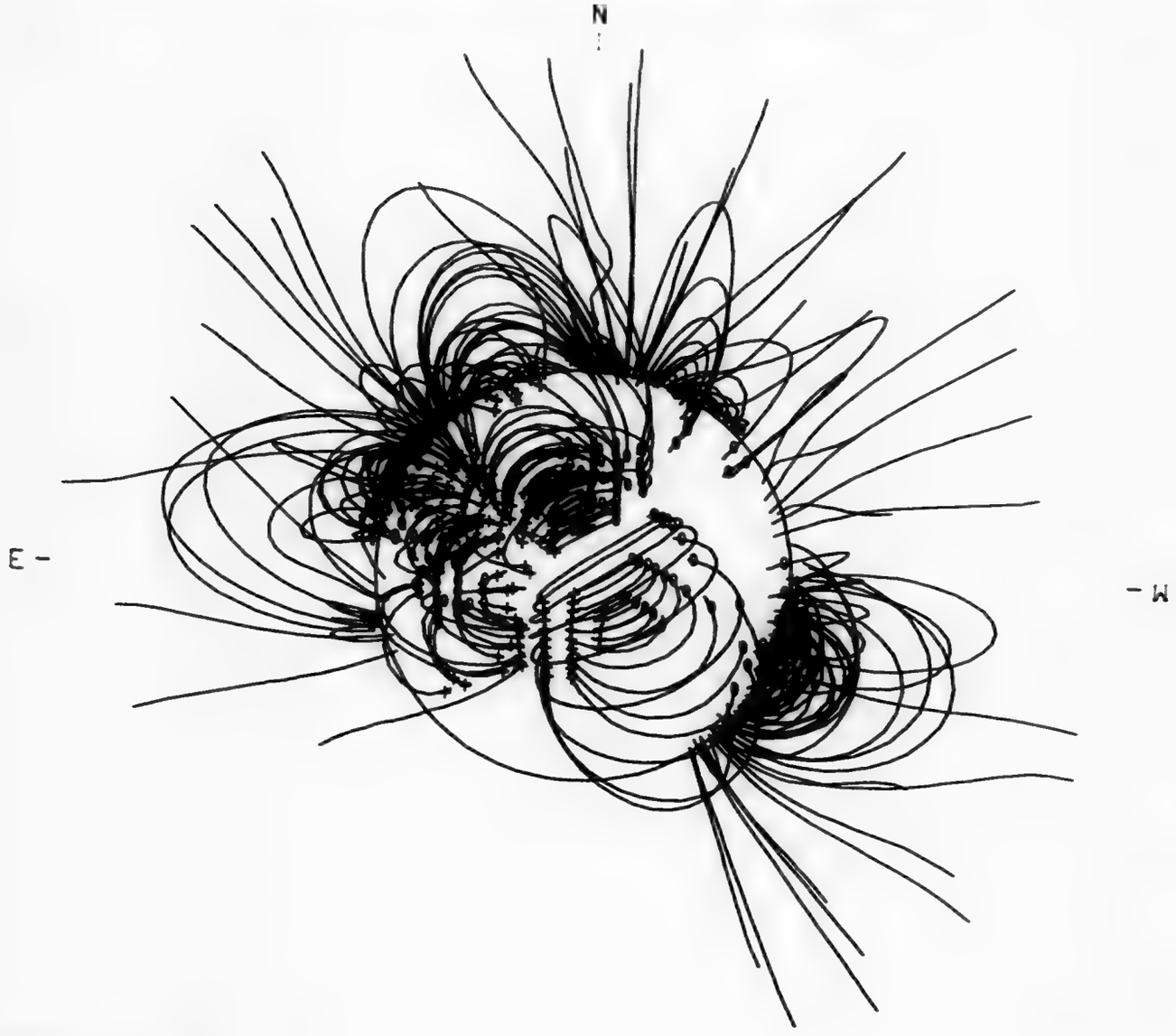
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 12[illegible]°

13.8 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 120°

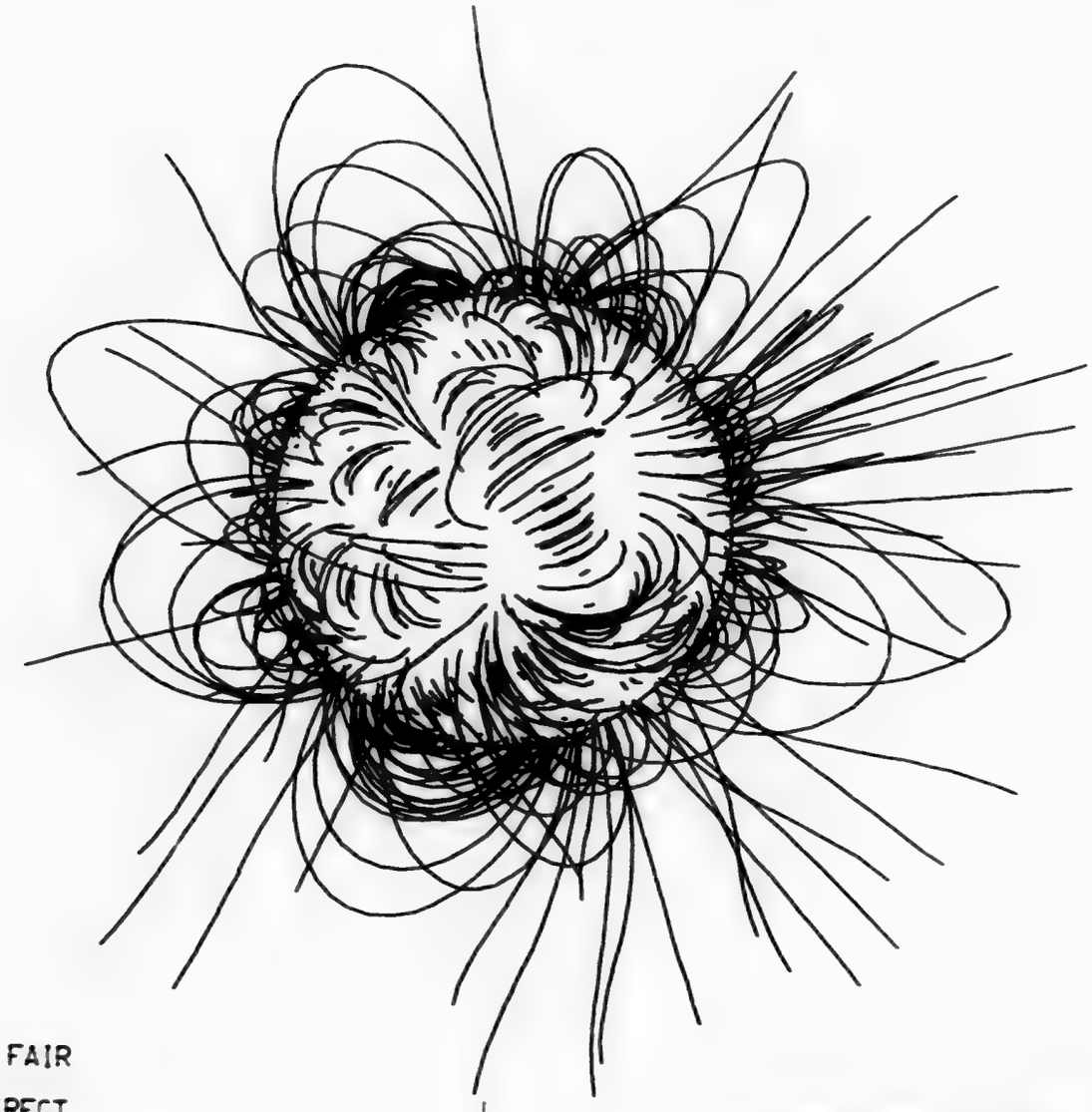
13.8 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY FAIR

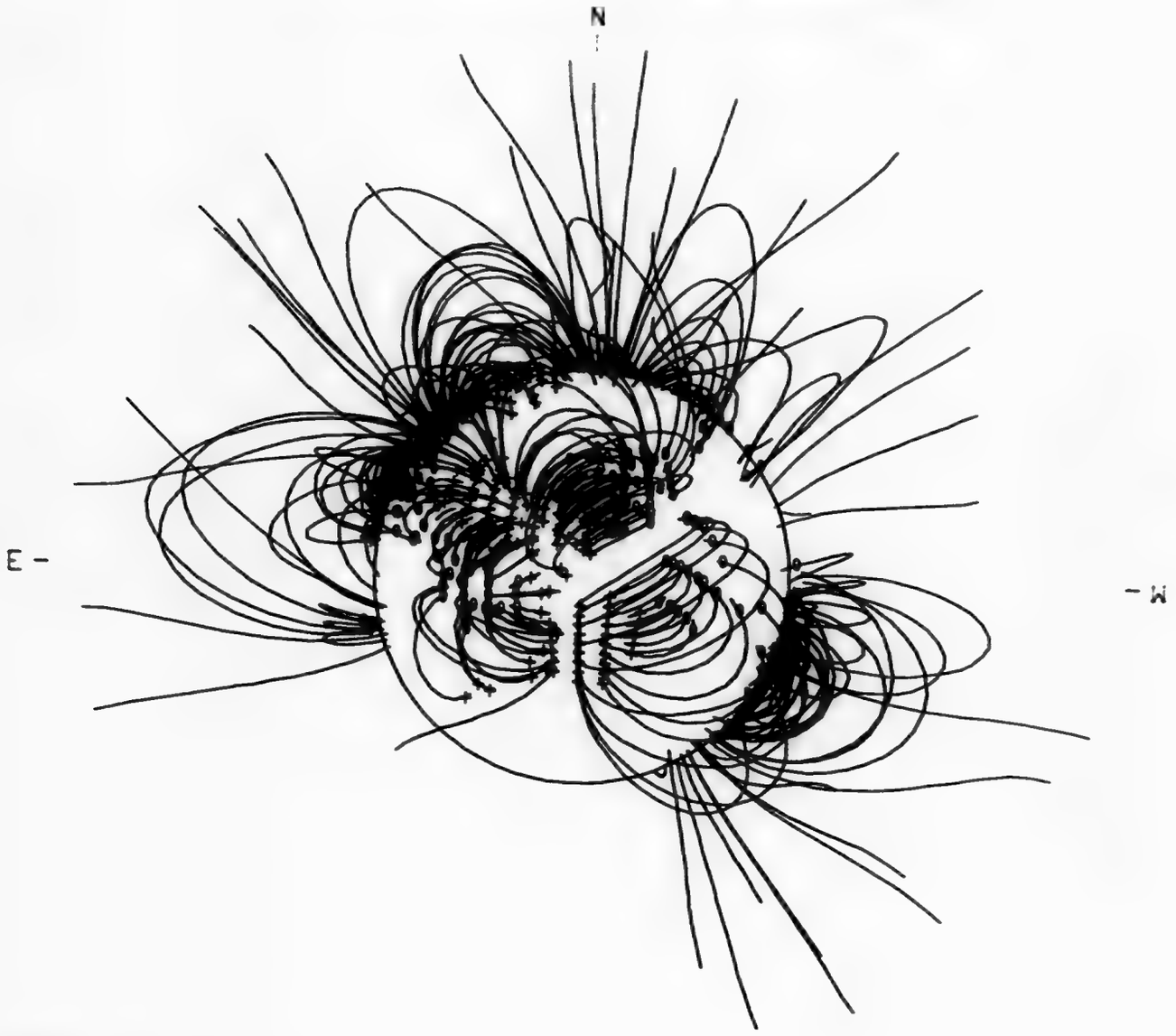
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 130°

14.6 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

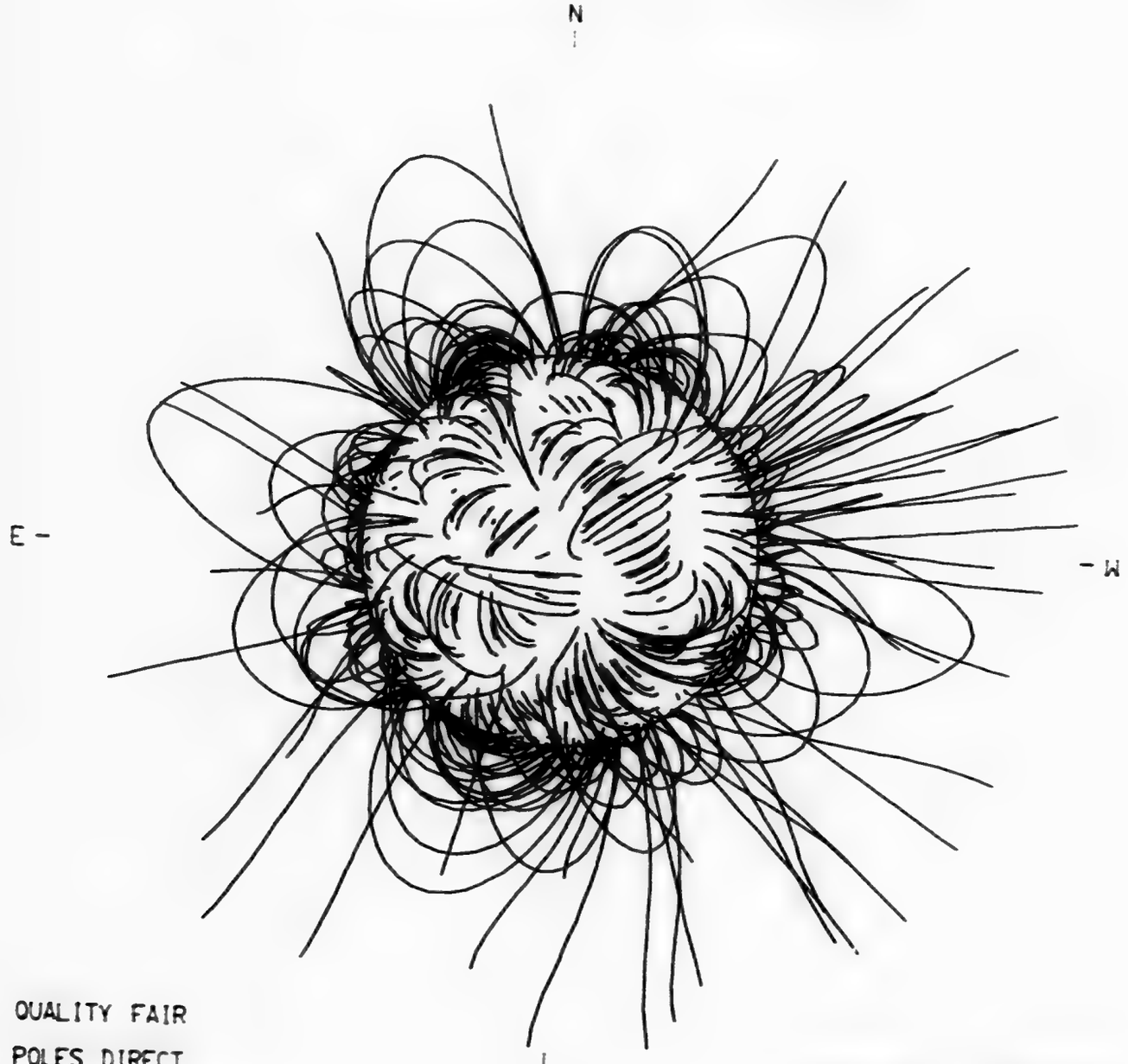
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 150°

14.6 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

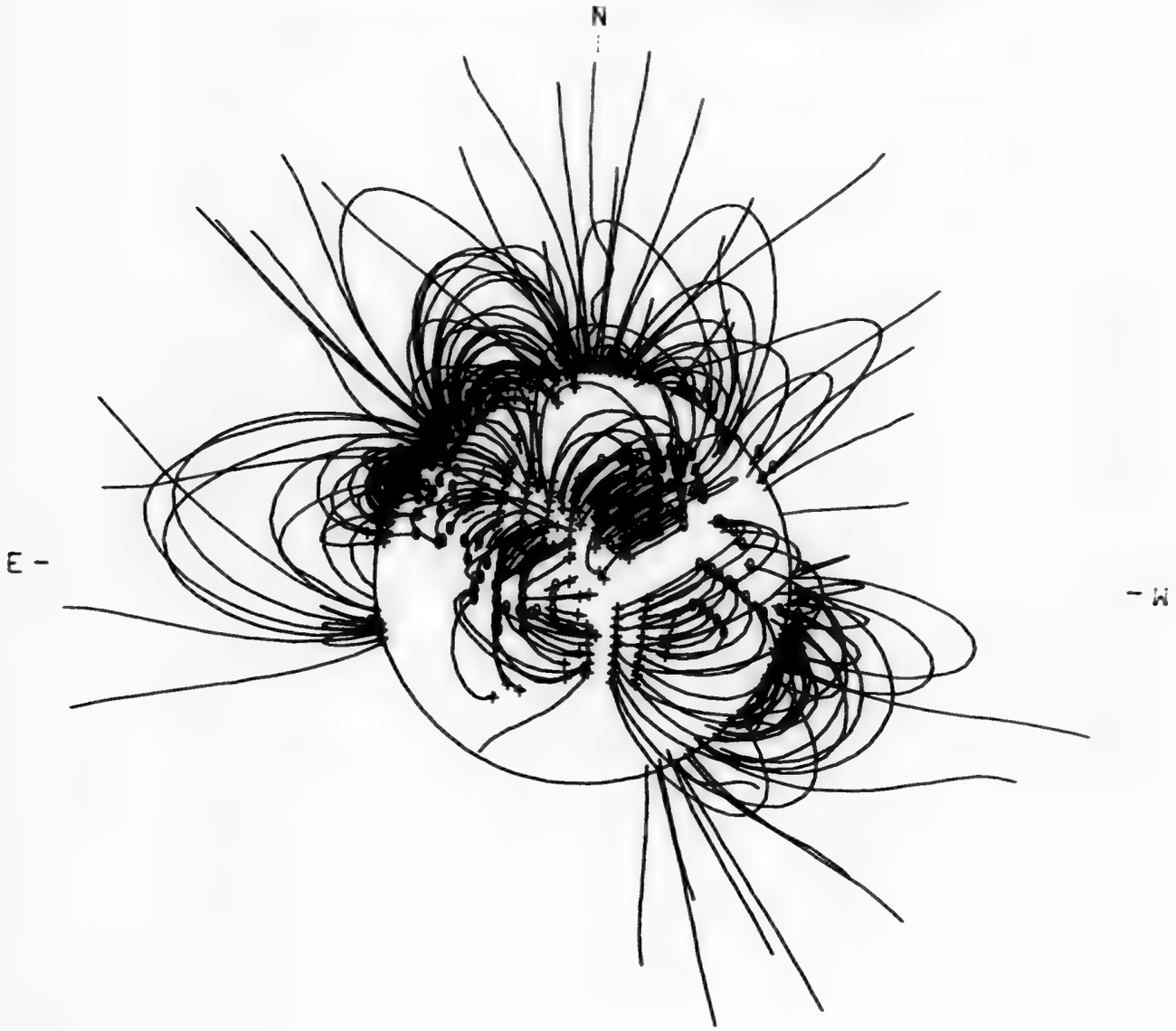
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 12[illegible]°

15.3 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

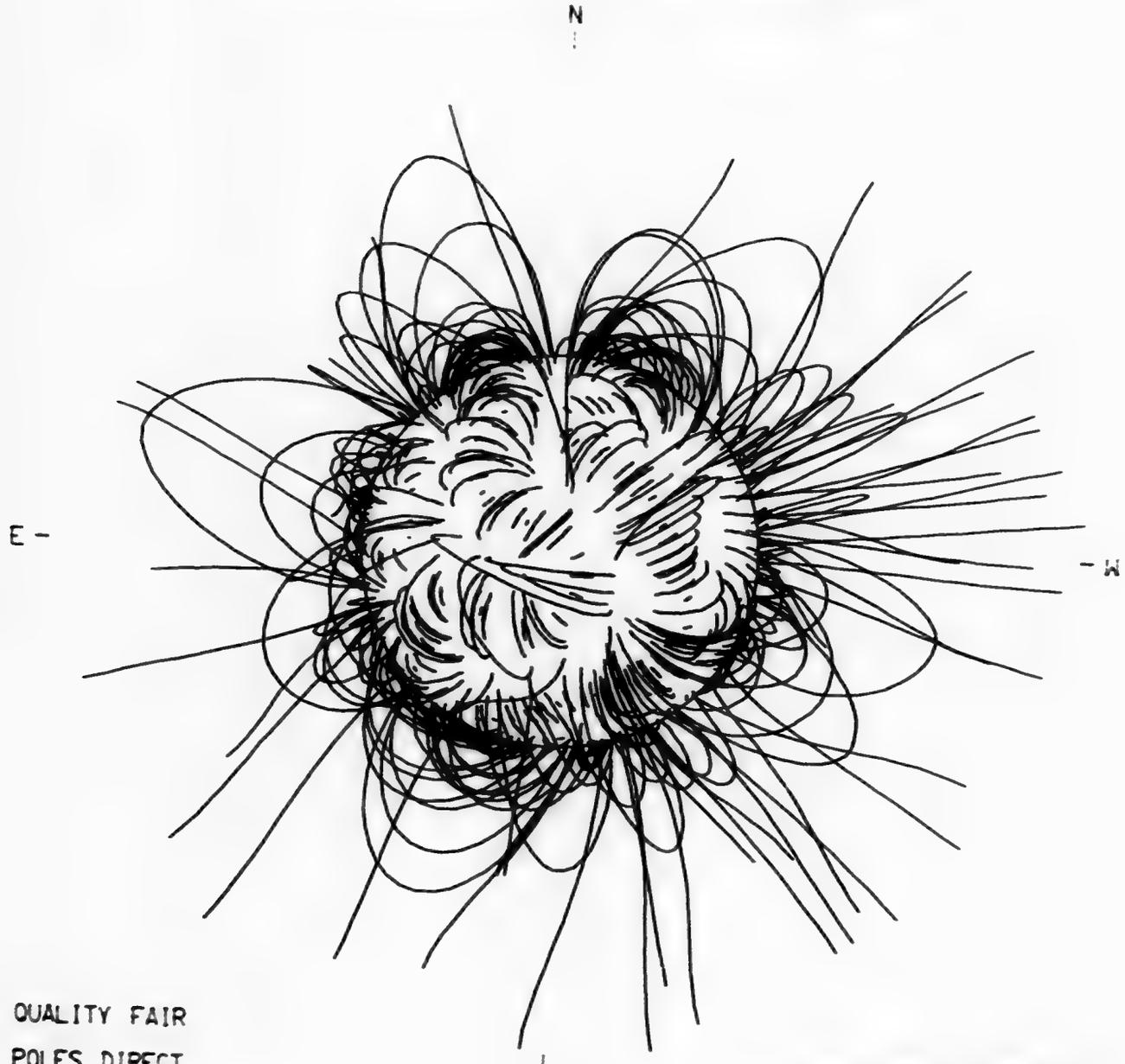
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 120°

15.3 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

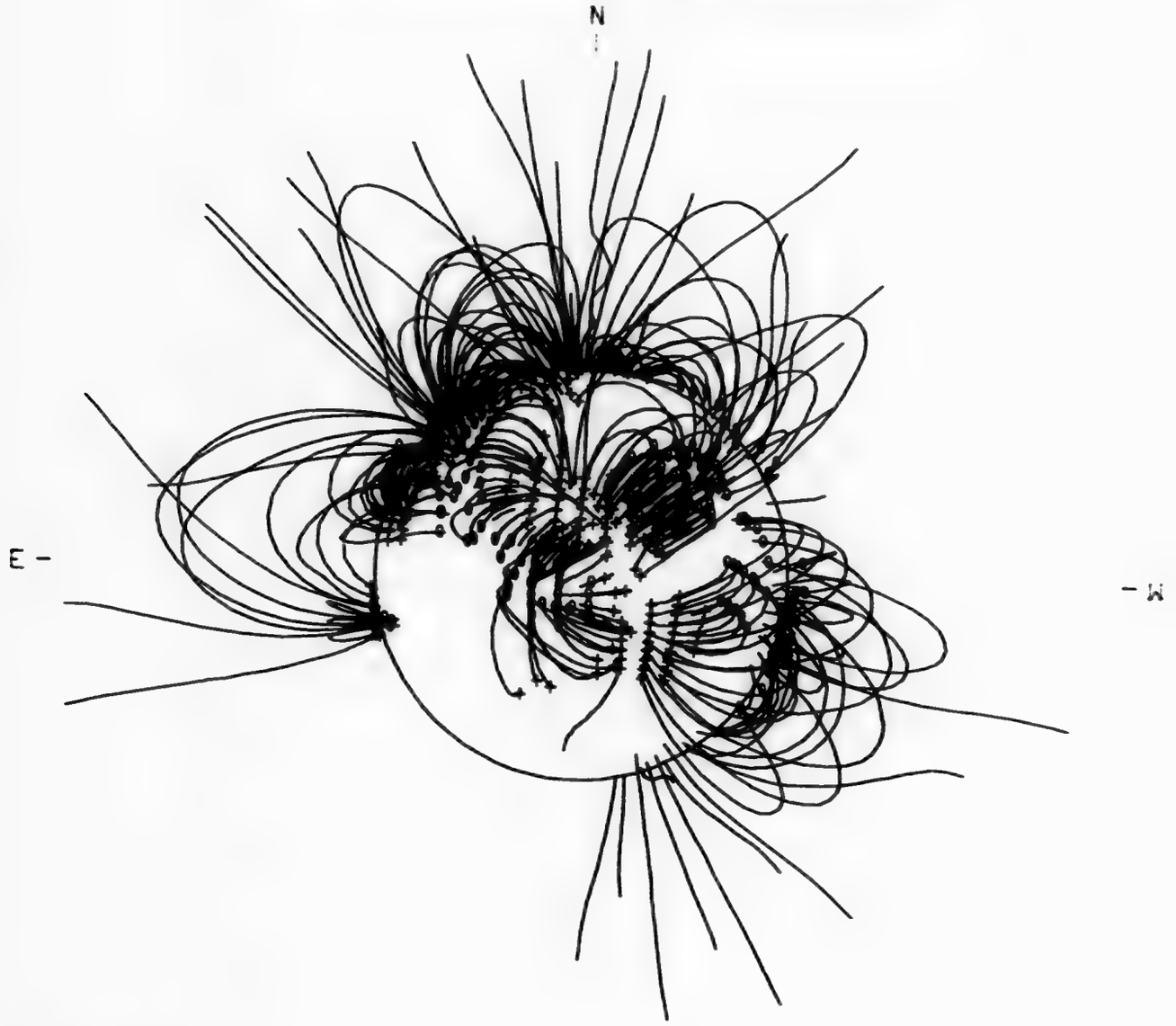
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 113°

16.1 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

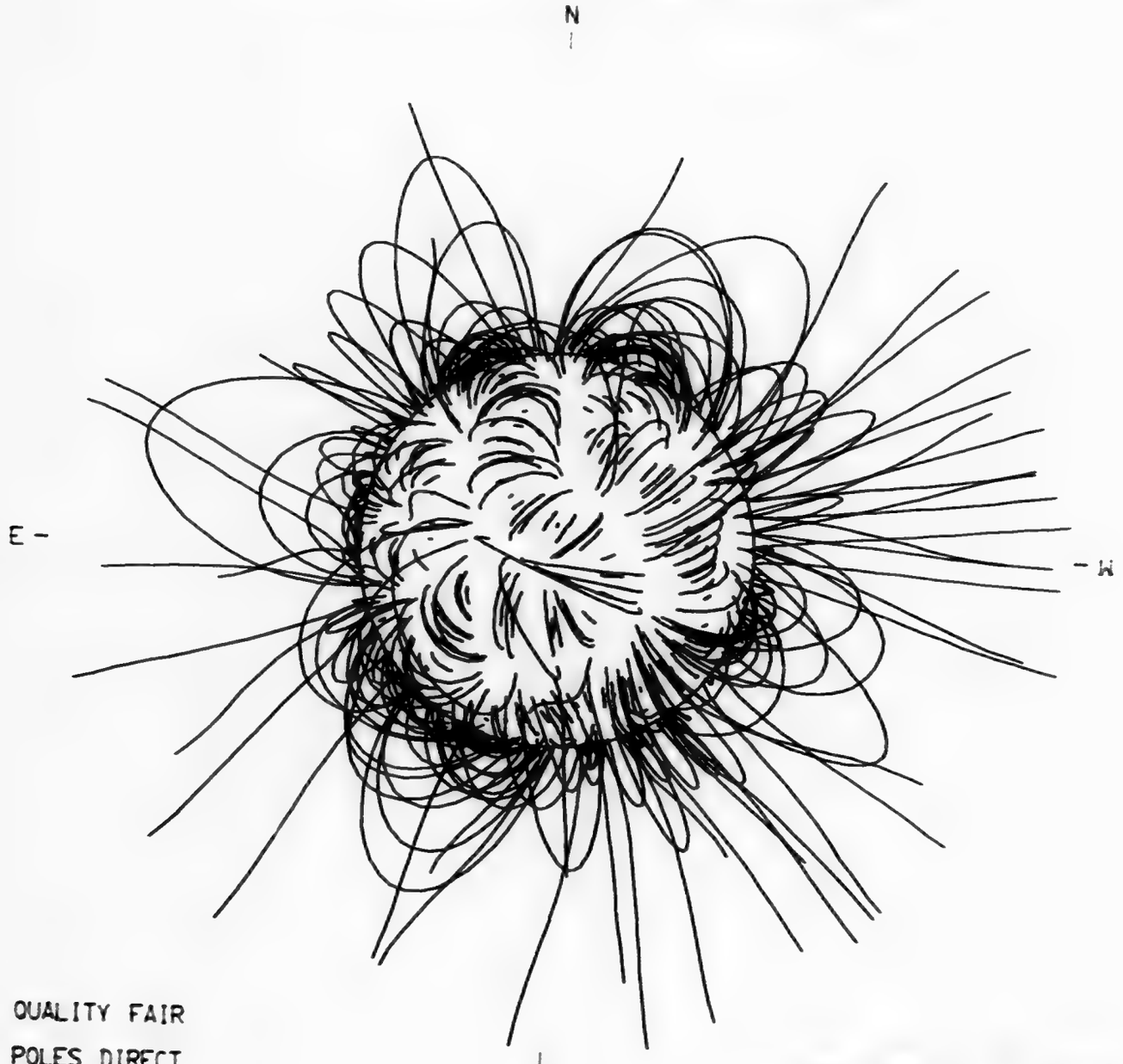
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 11°

16.1 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

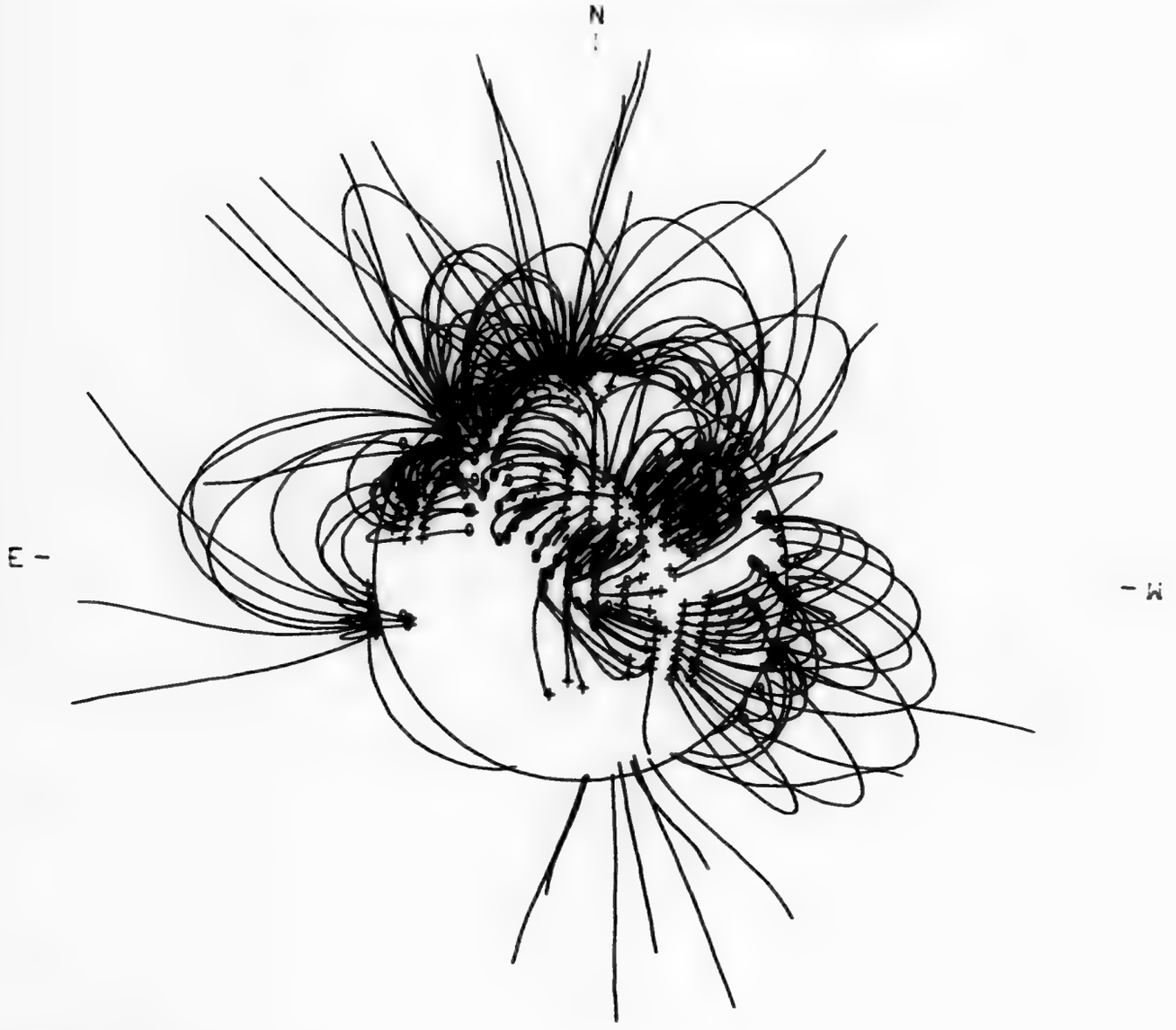
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 100°

16.8 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

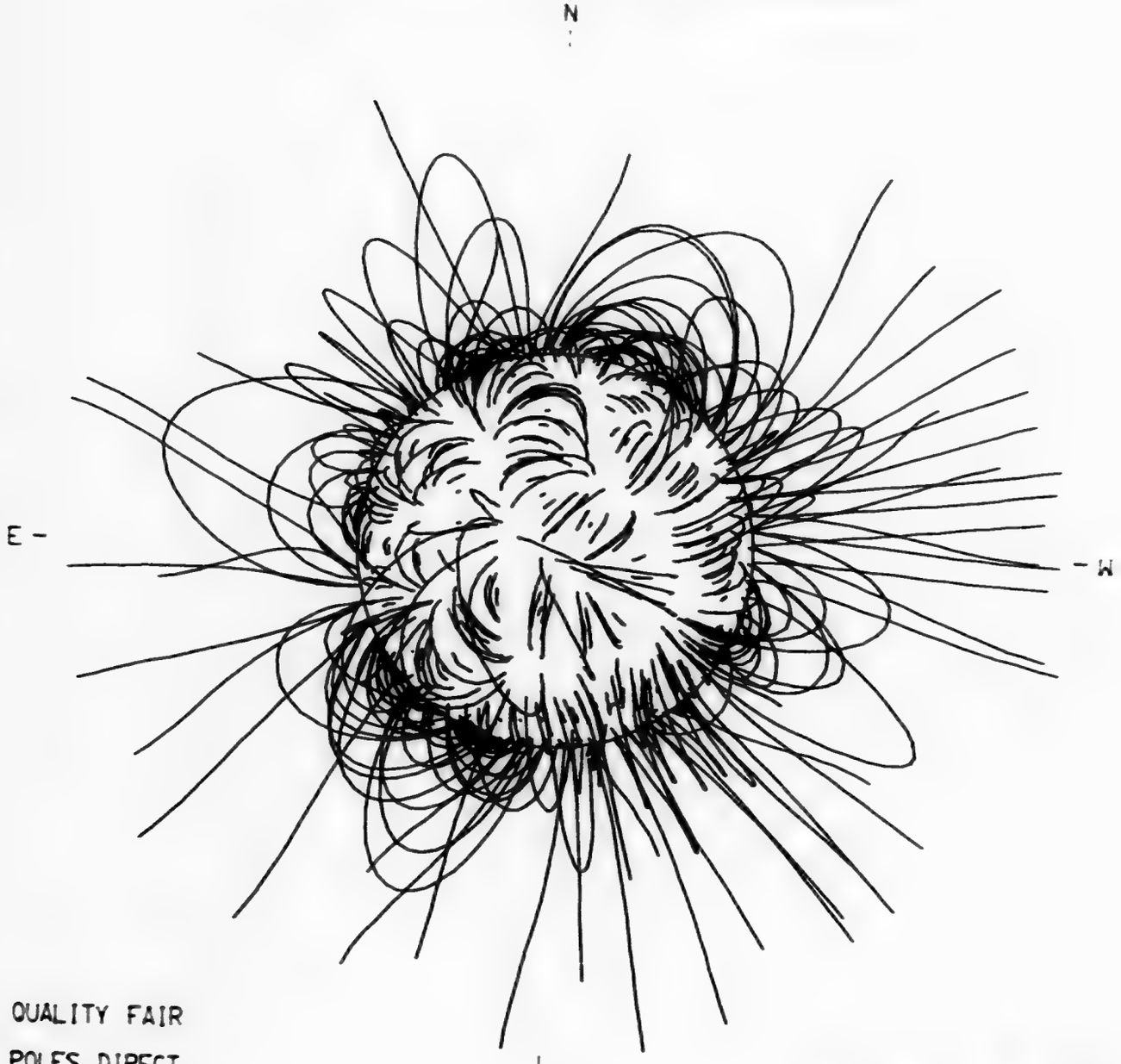
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 100°

16.8 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

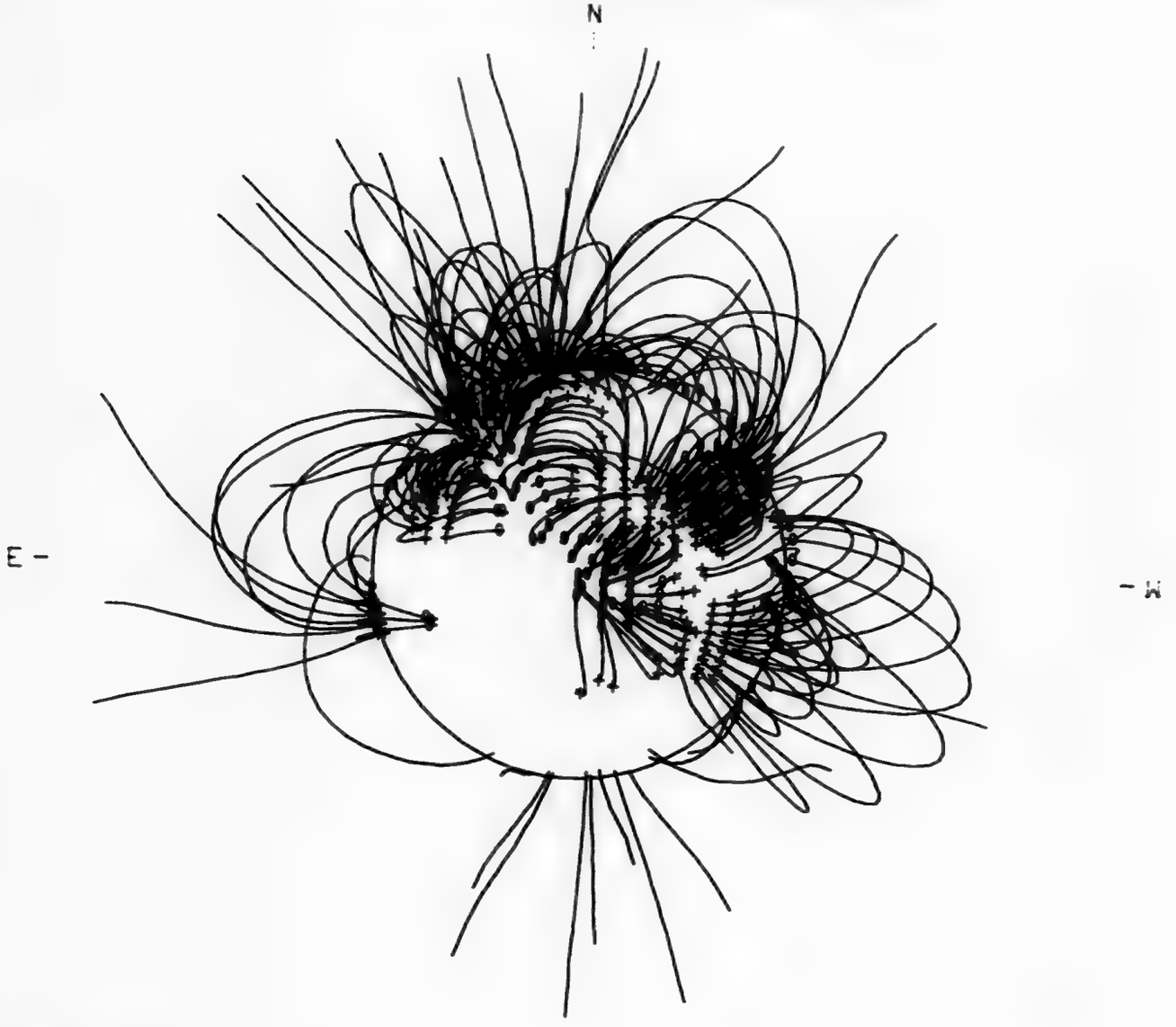
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 90°

17.6 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

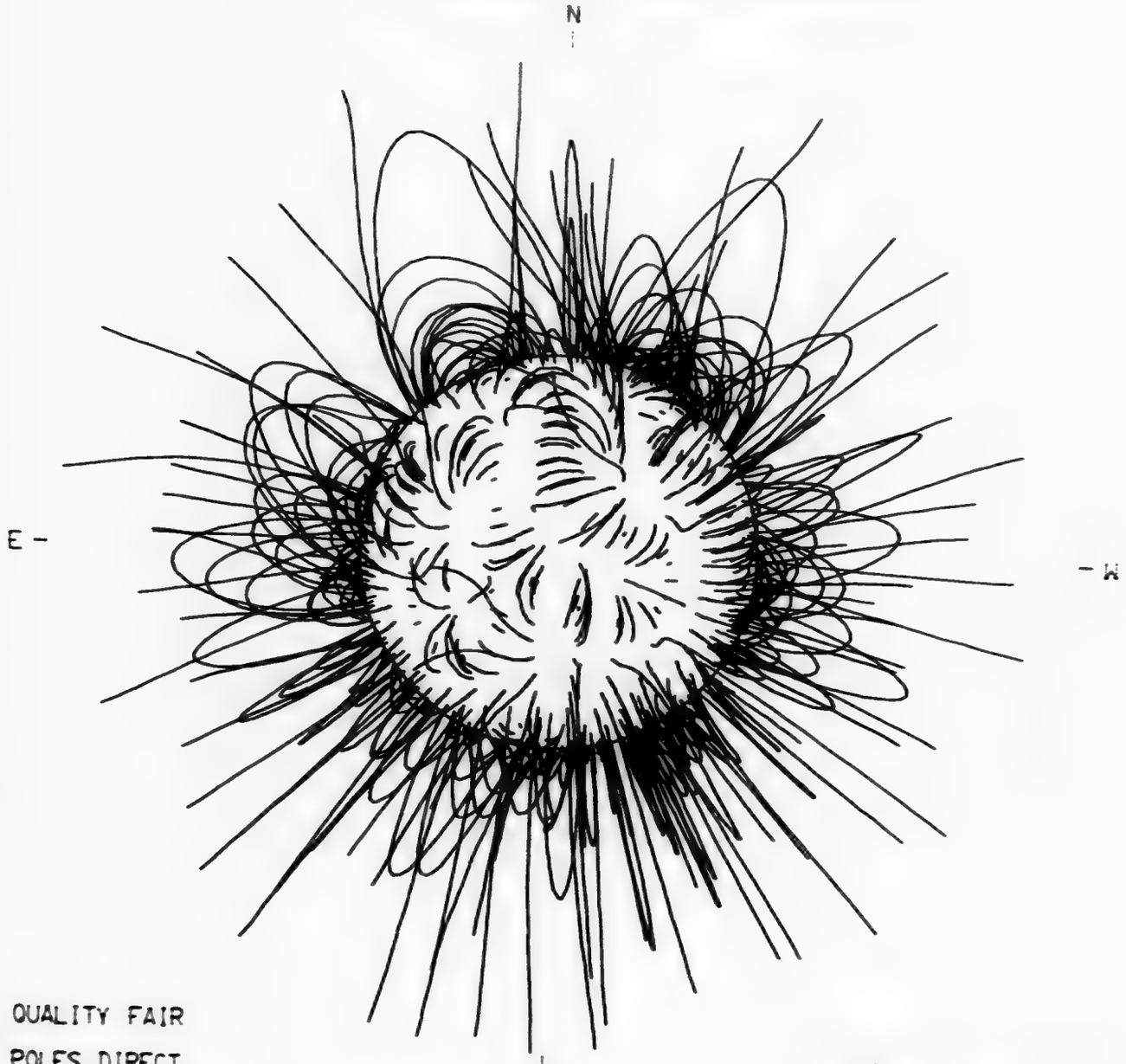
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1440 LONG. 90°

17.6 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

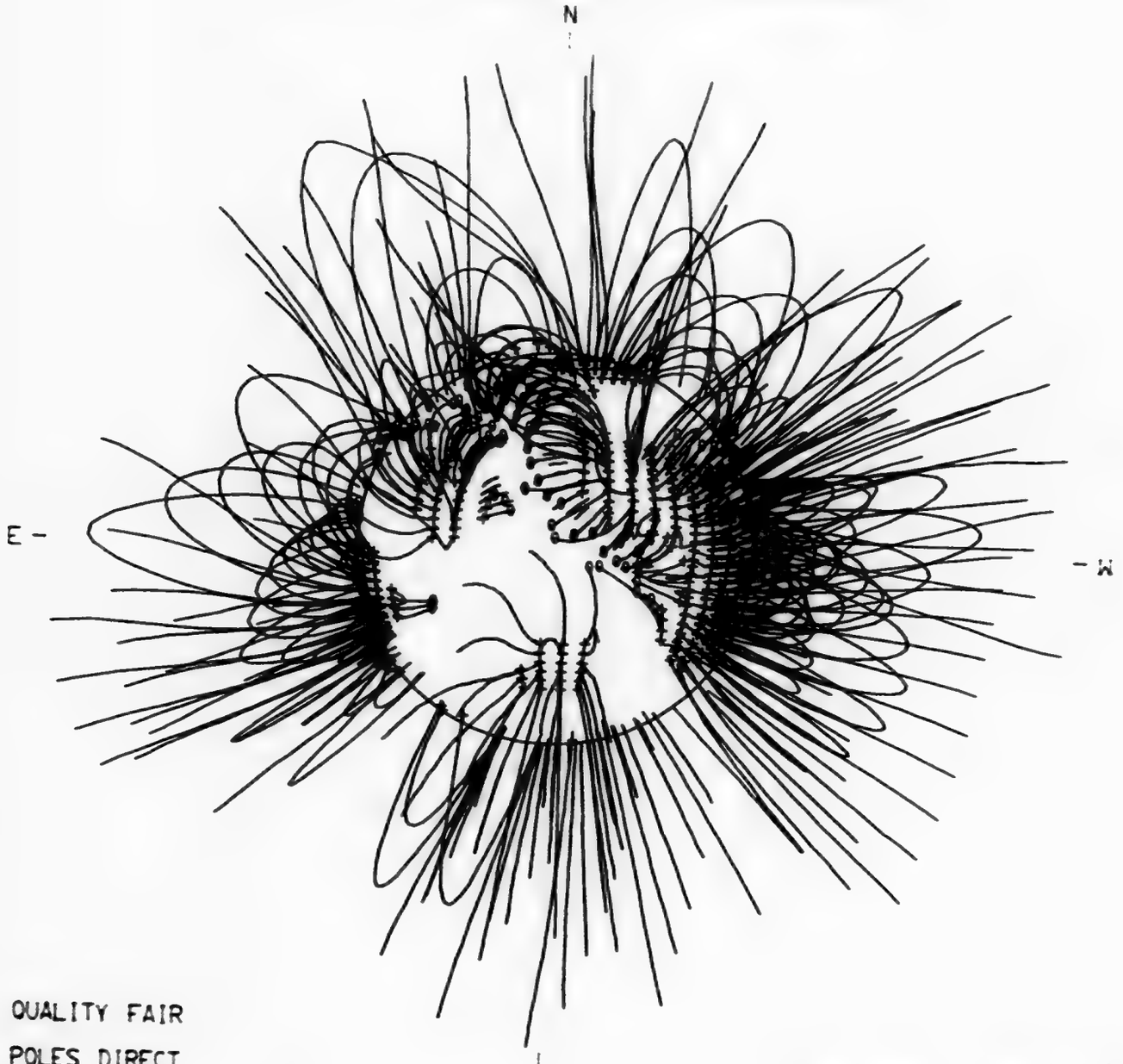
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1440 LONG. 80°

18.3 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

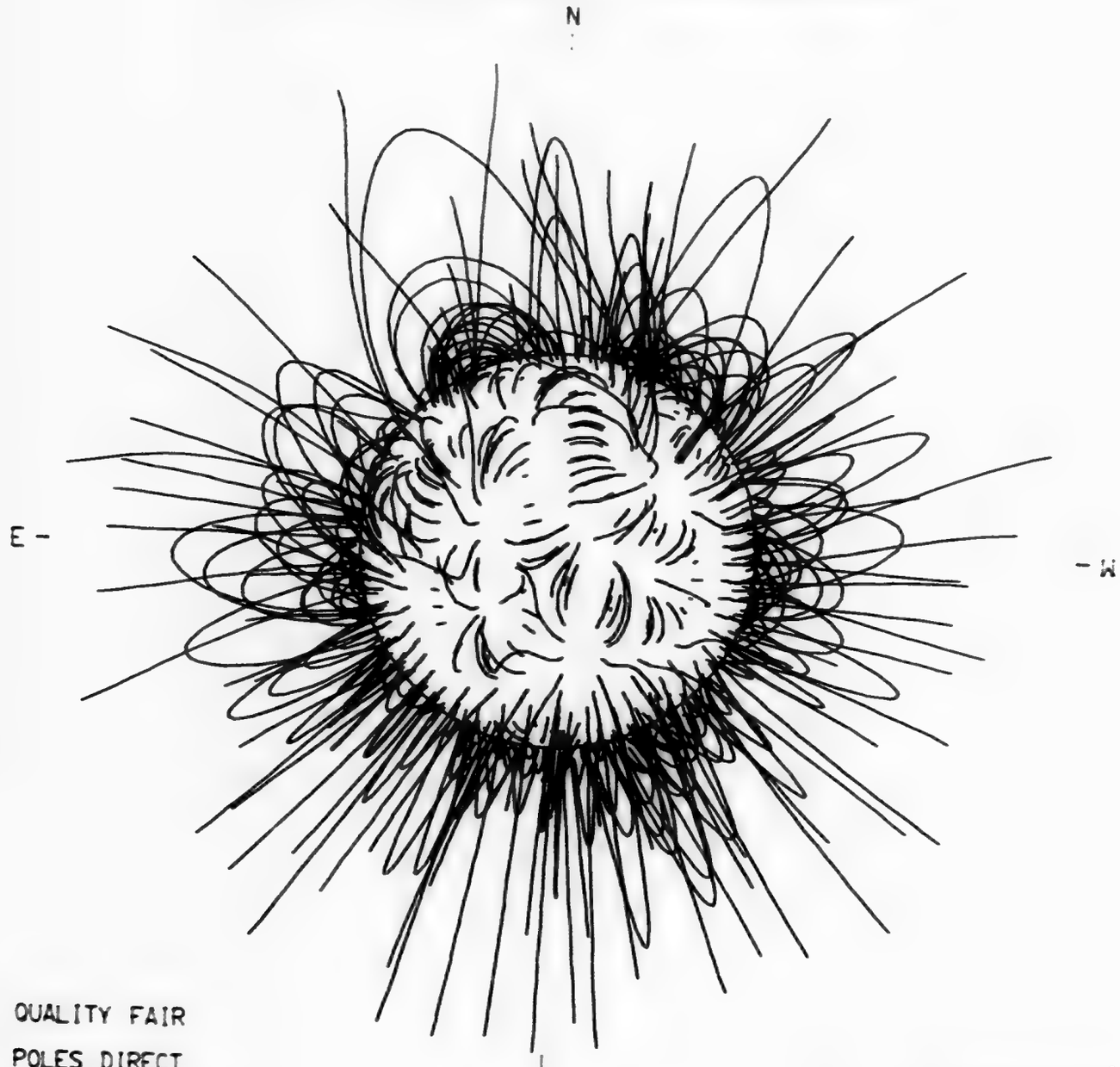
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1440 LONG. 83°

18.3 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

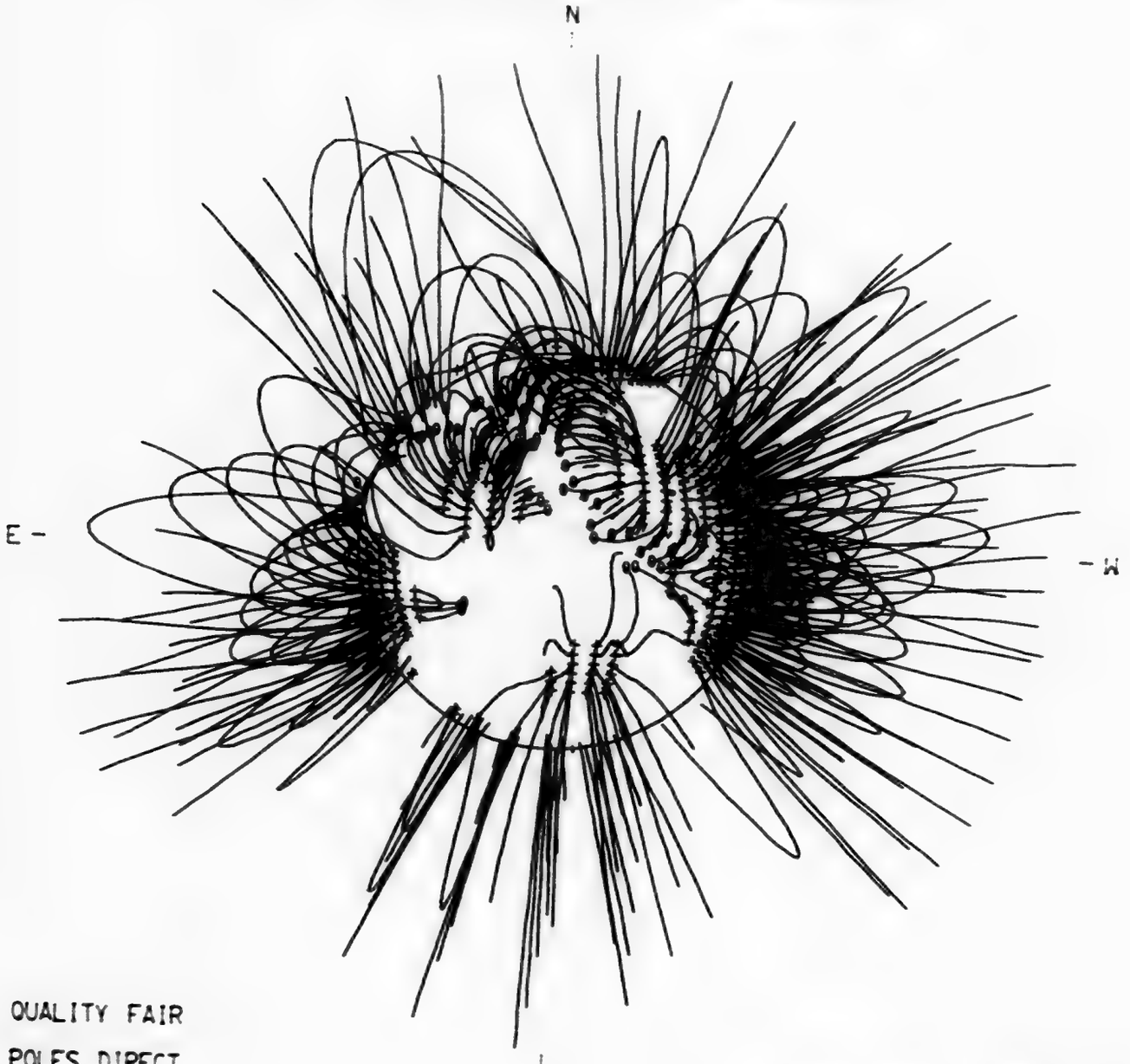
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1440 LONG. 72°

19.1 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

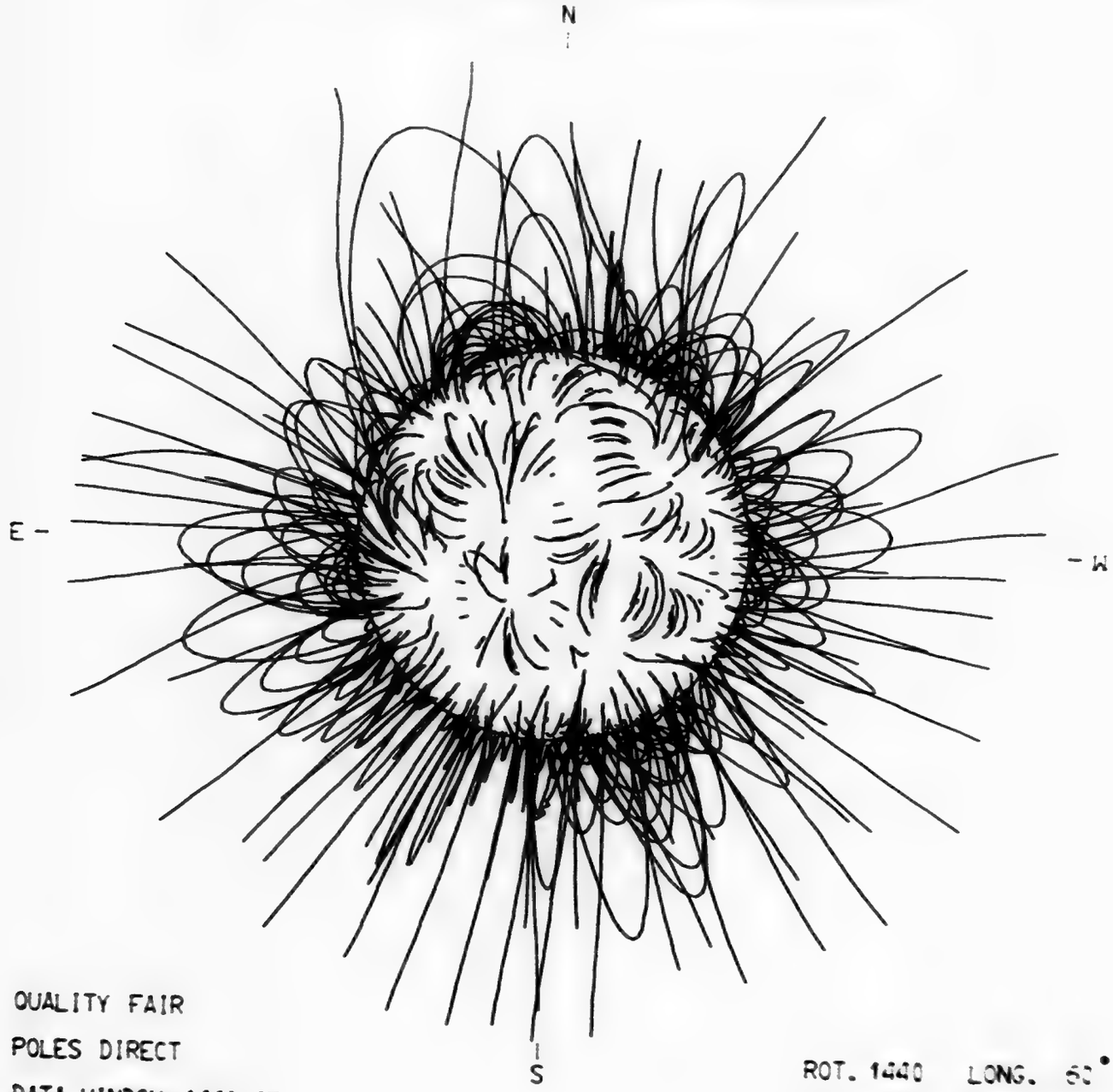
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1440 LONG. 72°

19.1 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

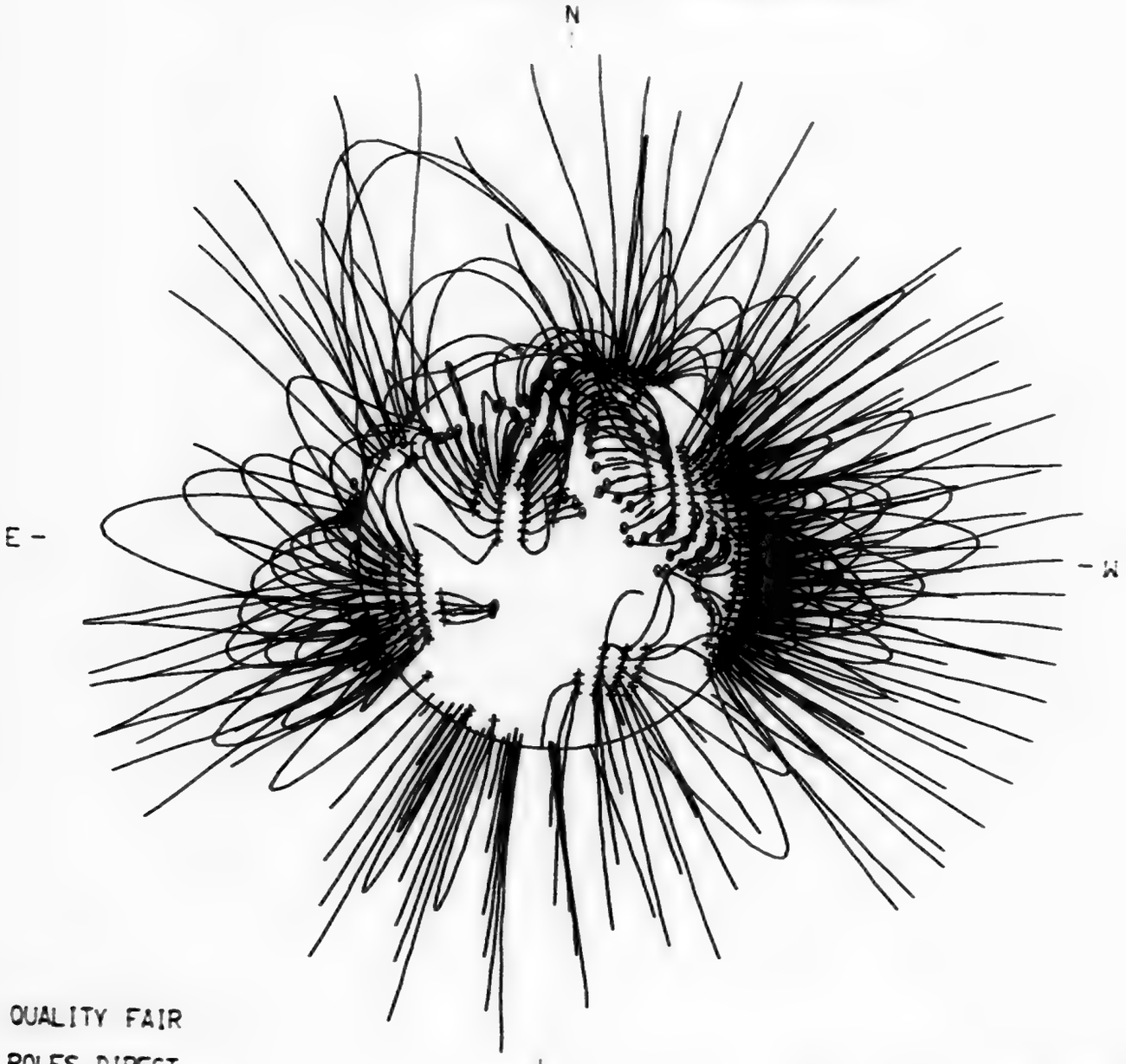
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1440 LONG. 60°

19.8 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

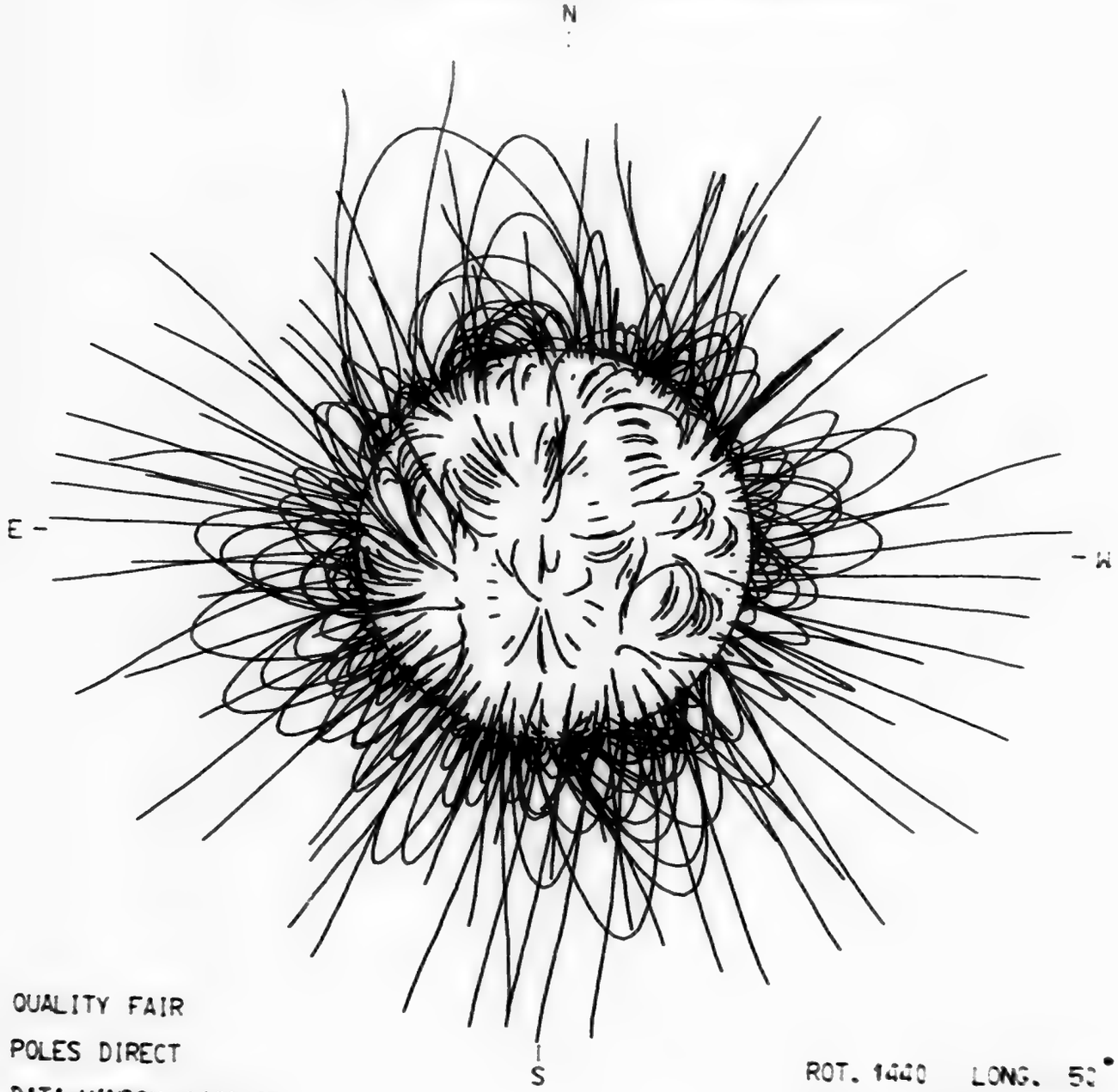
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1440 LONG. 62°

19.8 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

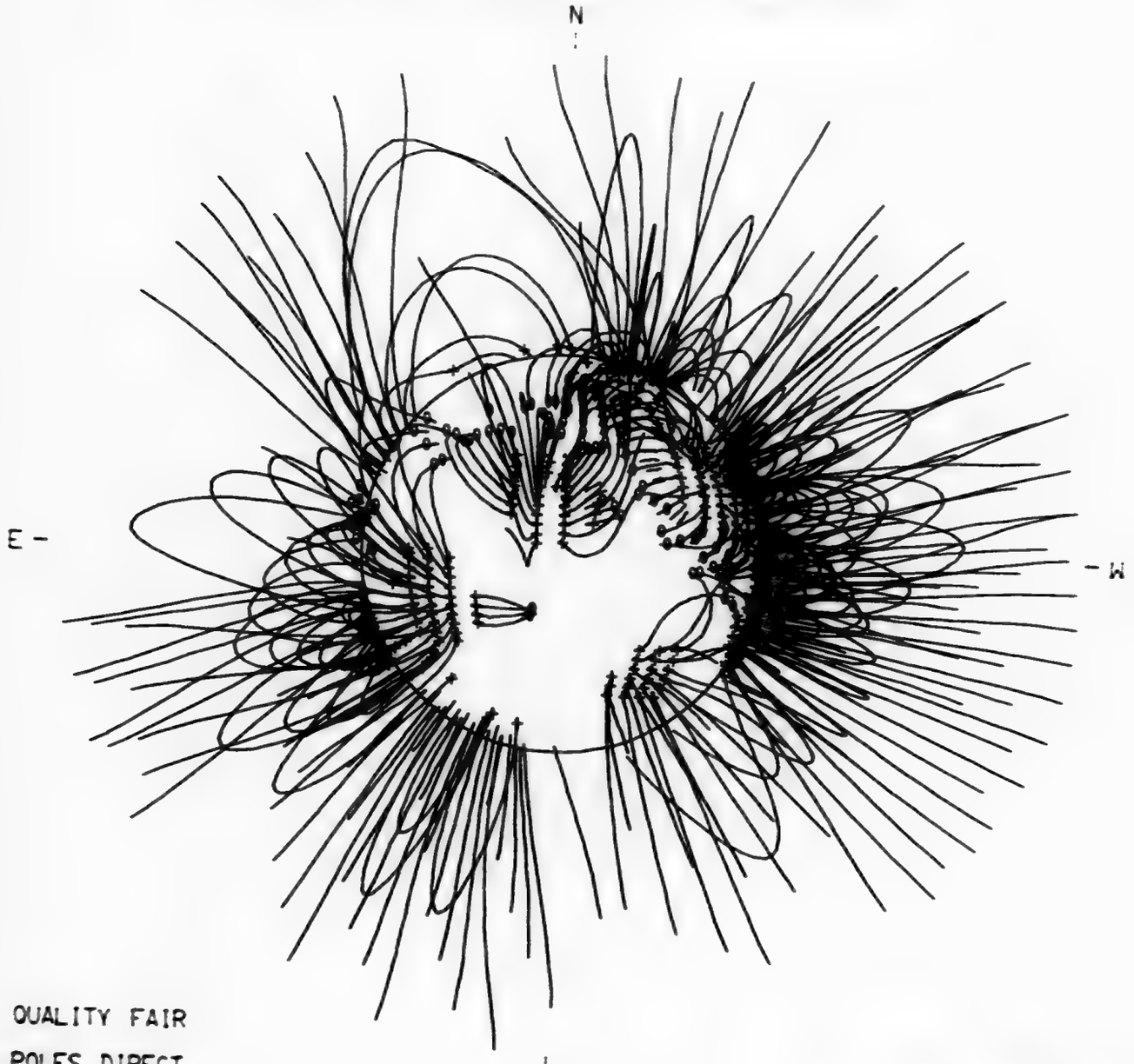
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1440 LONG. 5[illegible]°

20.6 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

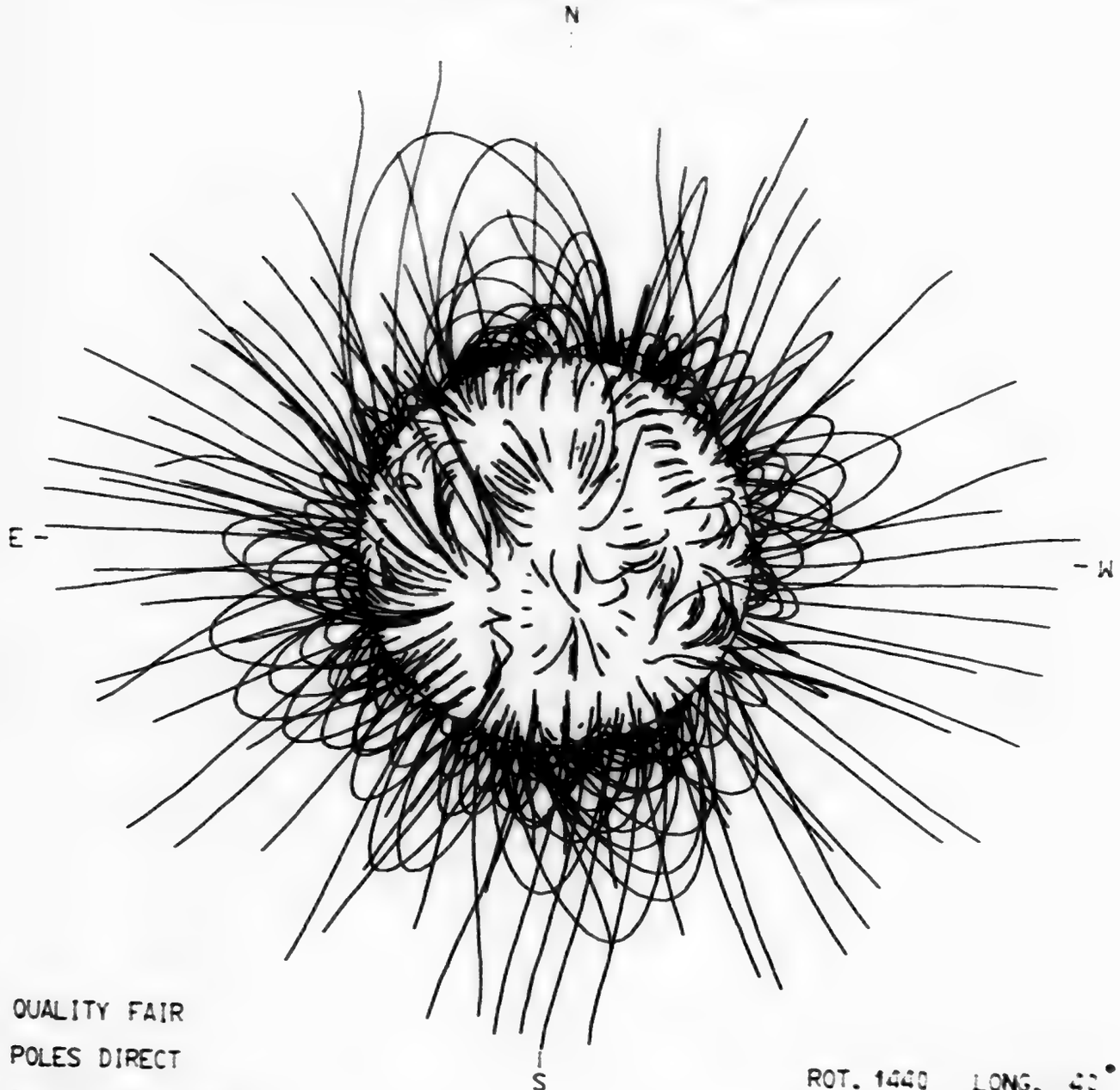
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1440 LONG. 5[illegible]°

20.6 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

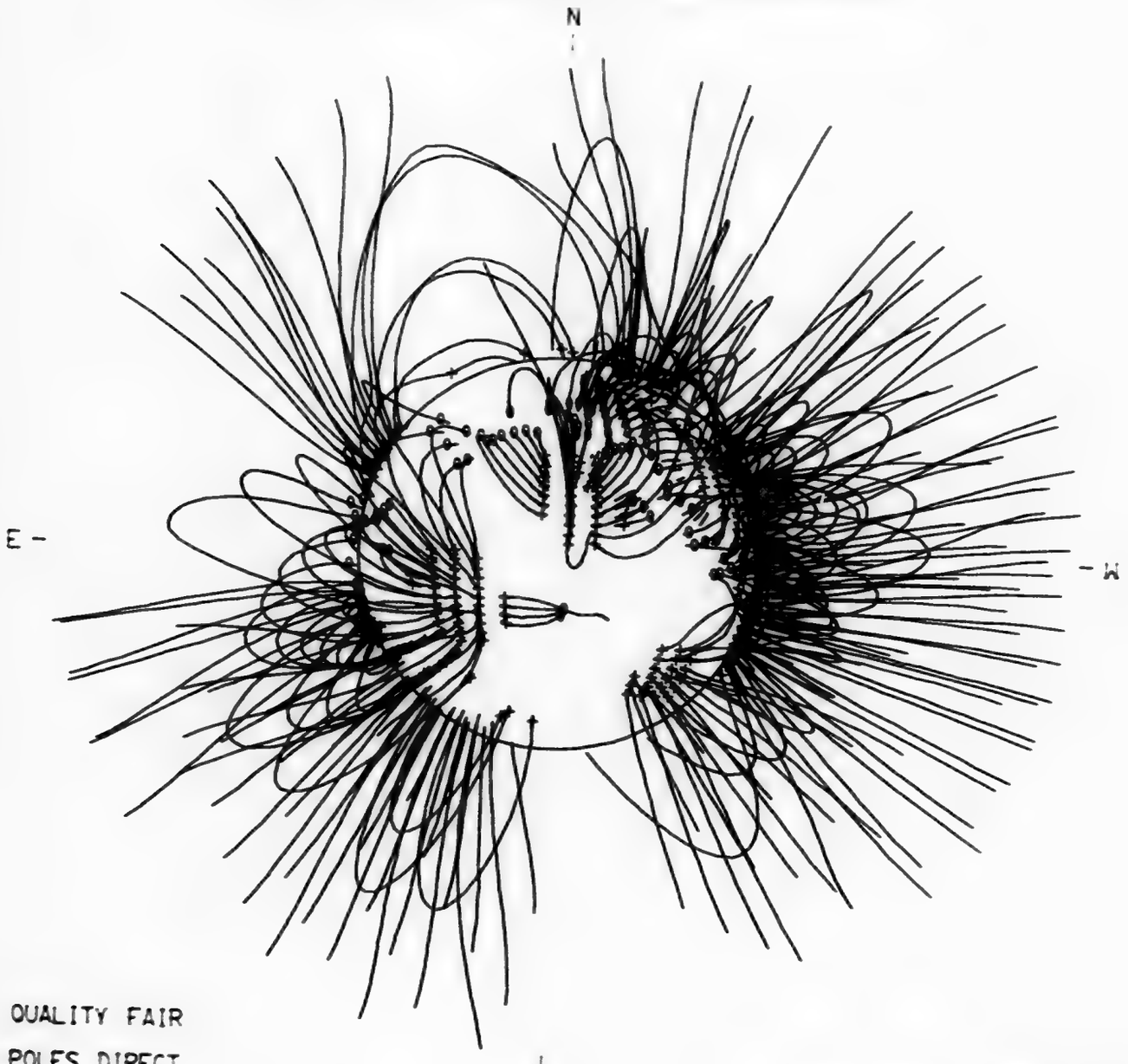
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1440 LONG. 22°

21.4 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

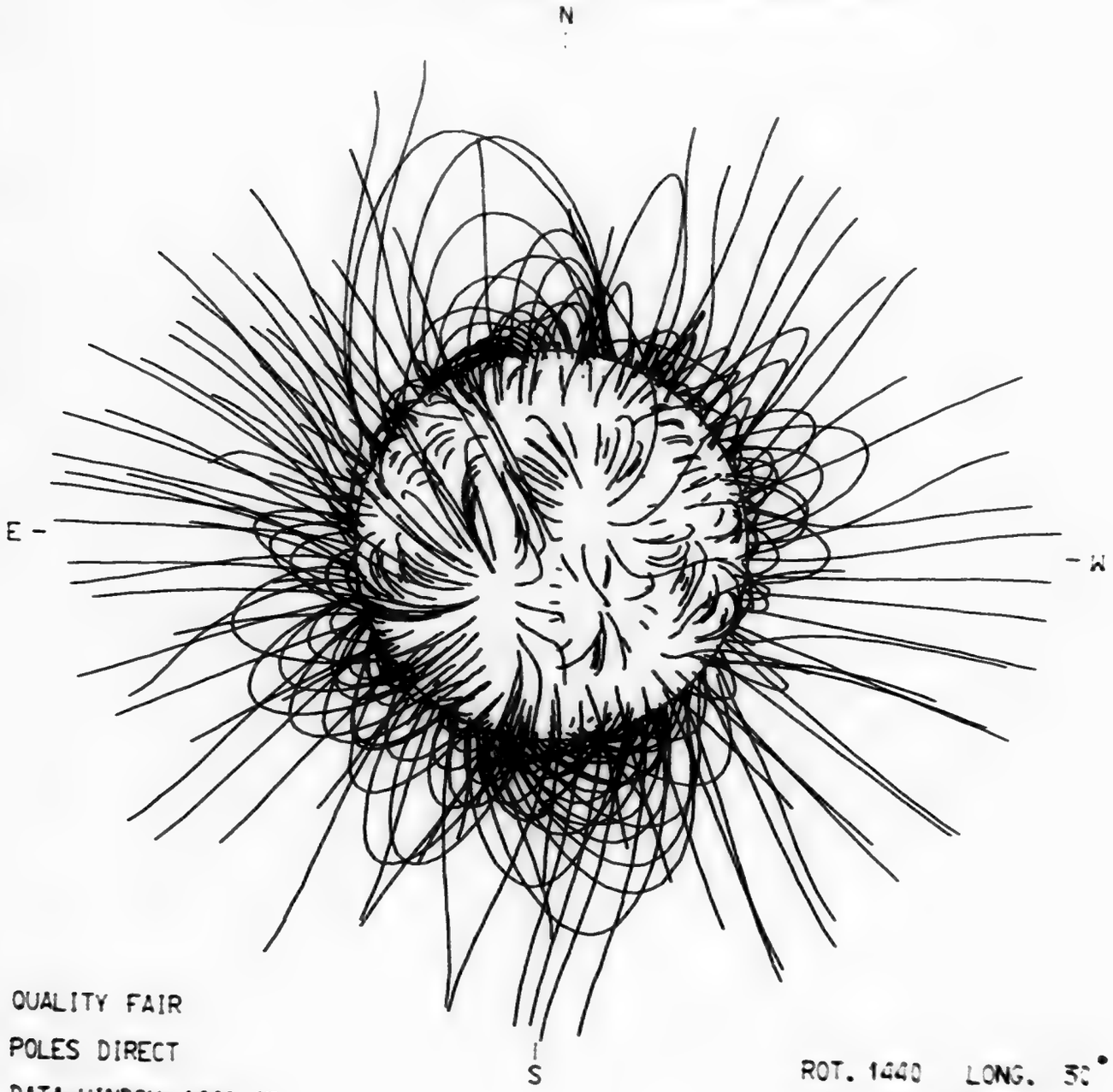
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1440 LONG. 2[illegible]°

21.4 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

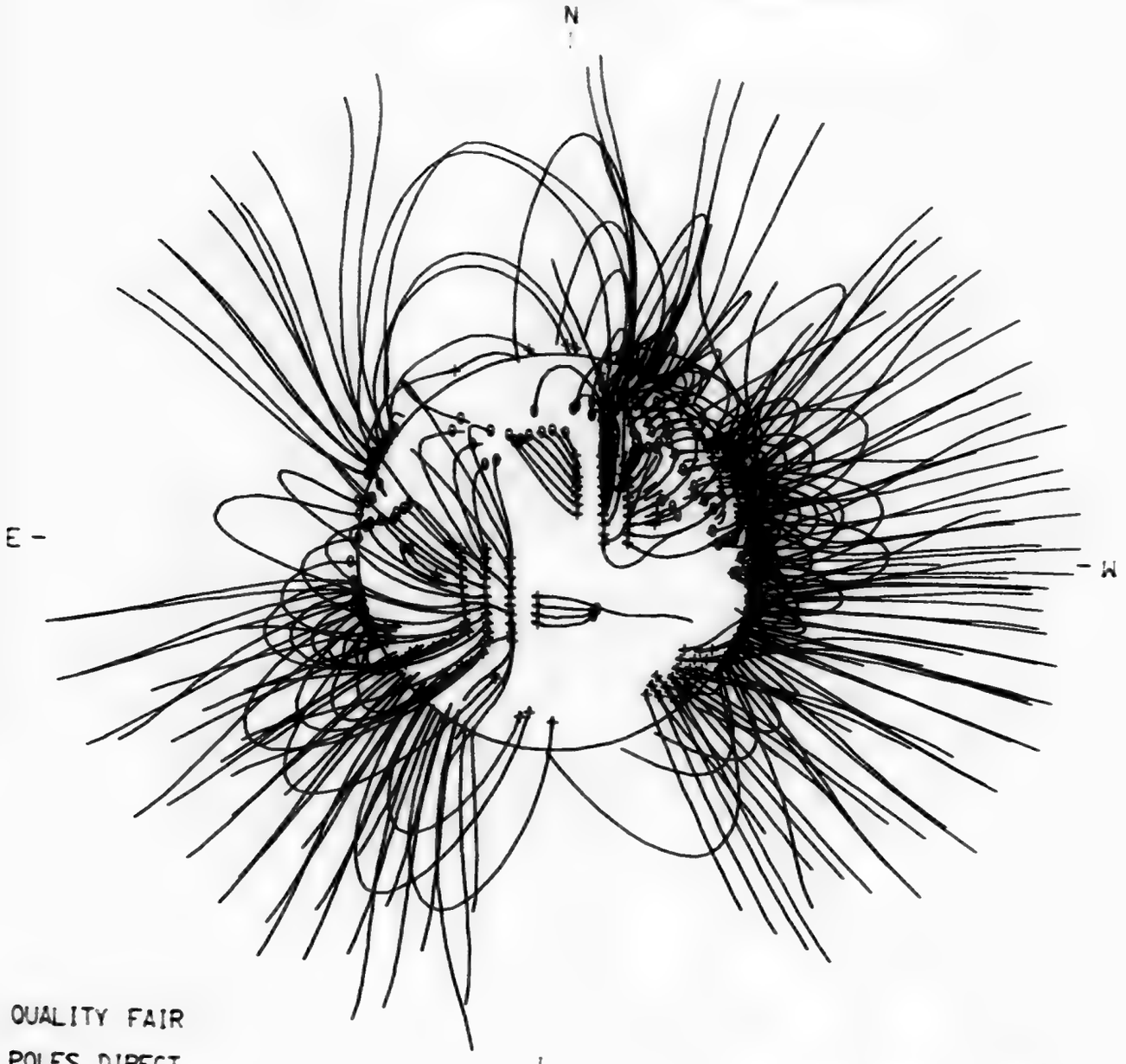
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1440 LONG. 3[illegible]°

22.1 MAY 1961

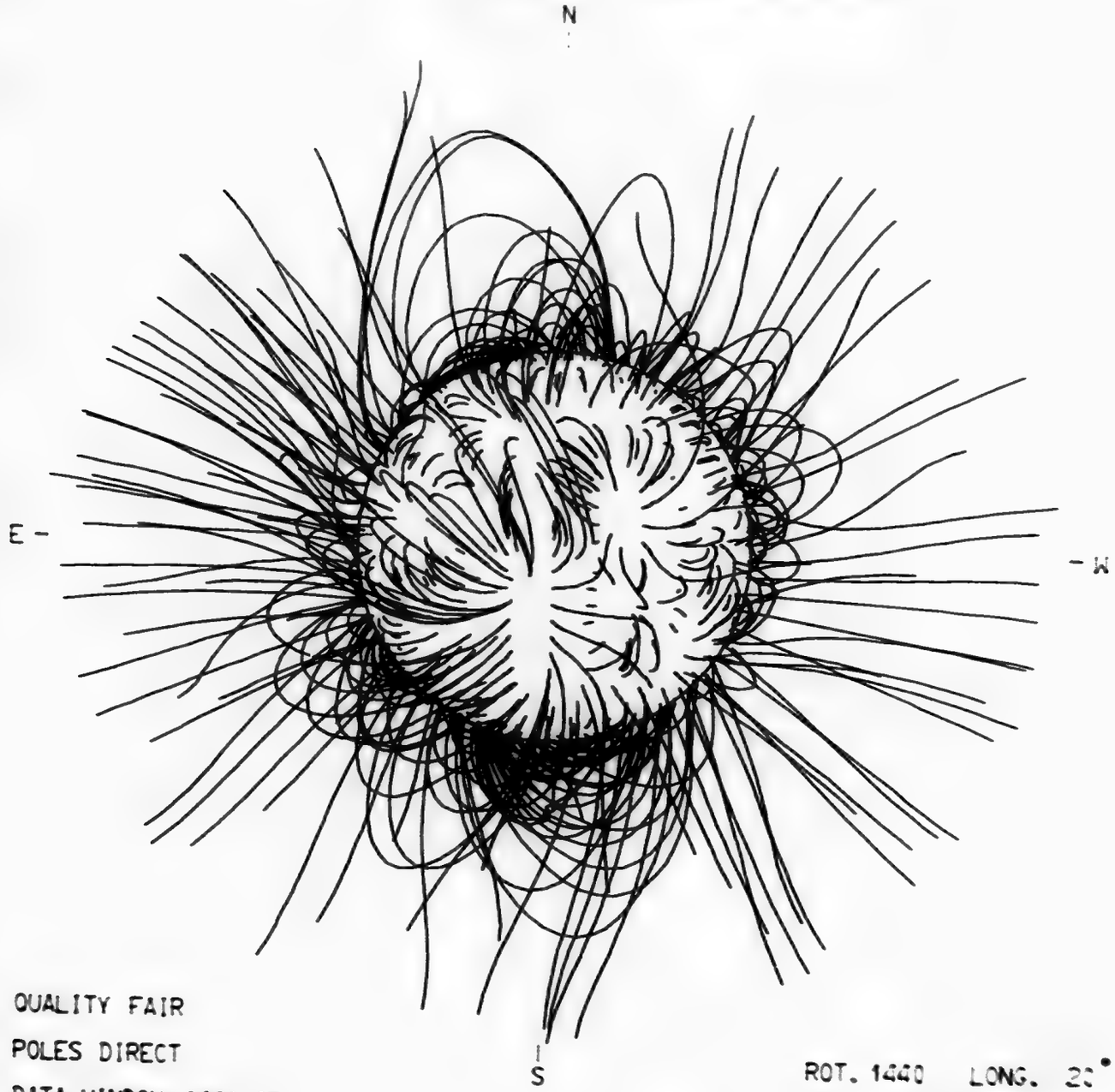
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1440.47

ROT. 1440 LONG. 5[illegible]°
22.1 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

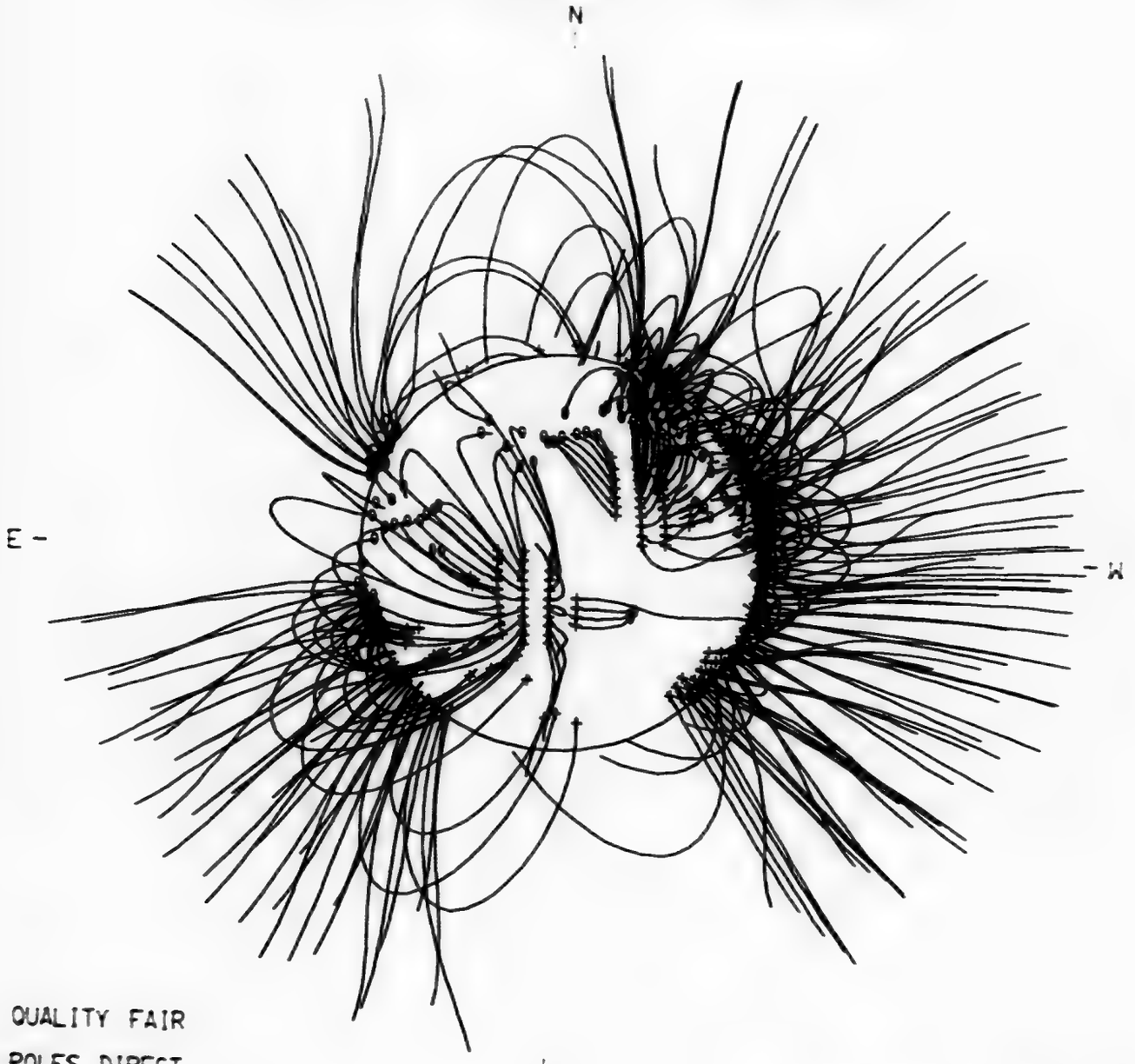
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1440 LONG. 2[illegible]°

22.9 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

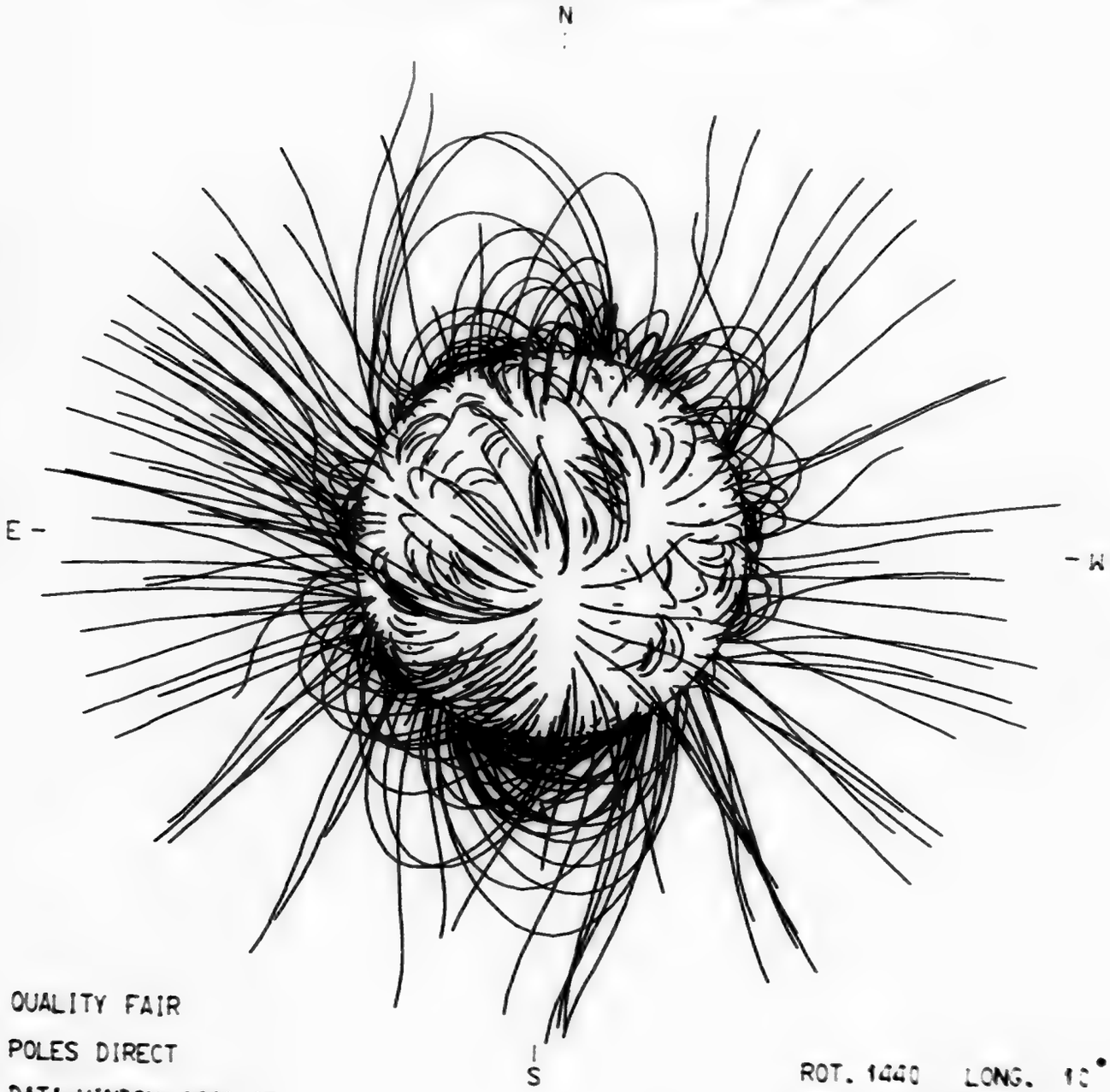
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1440 LONG. 2[illegible]°

22.9 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

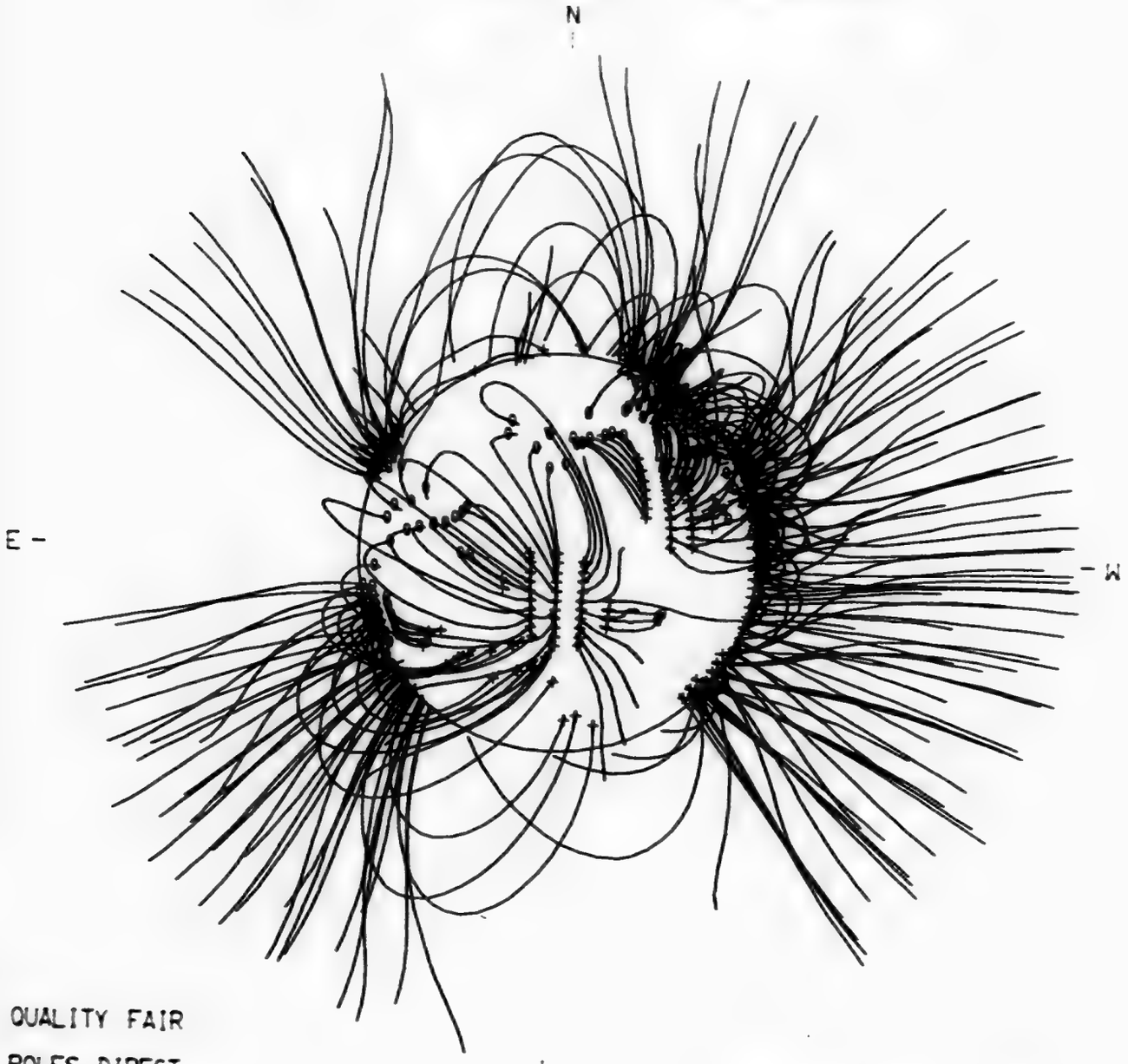
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1440 LONG. 1[illegible]°

23.6 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

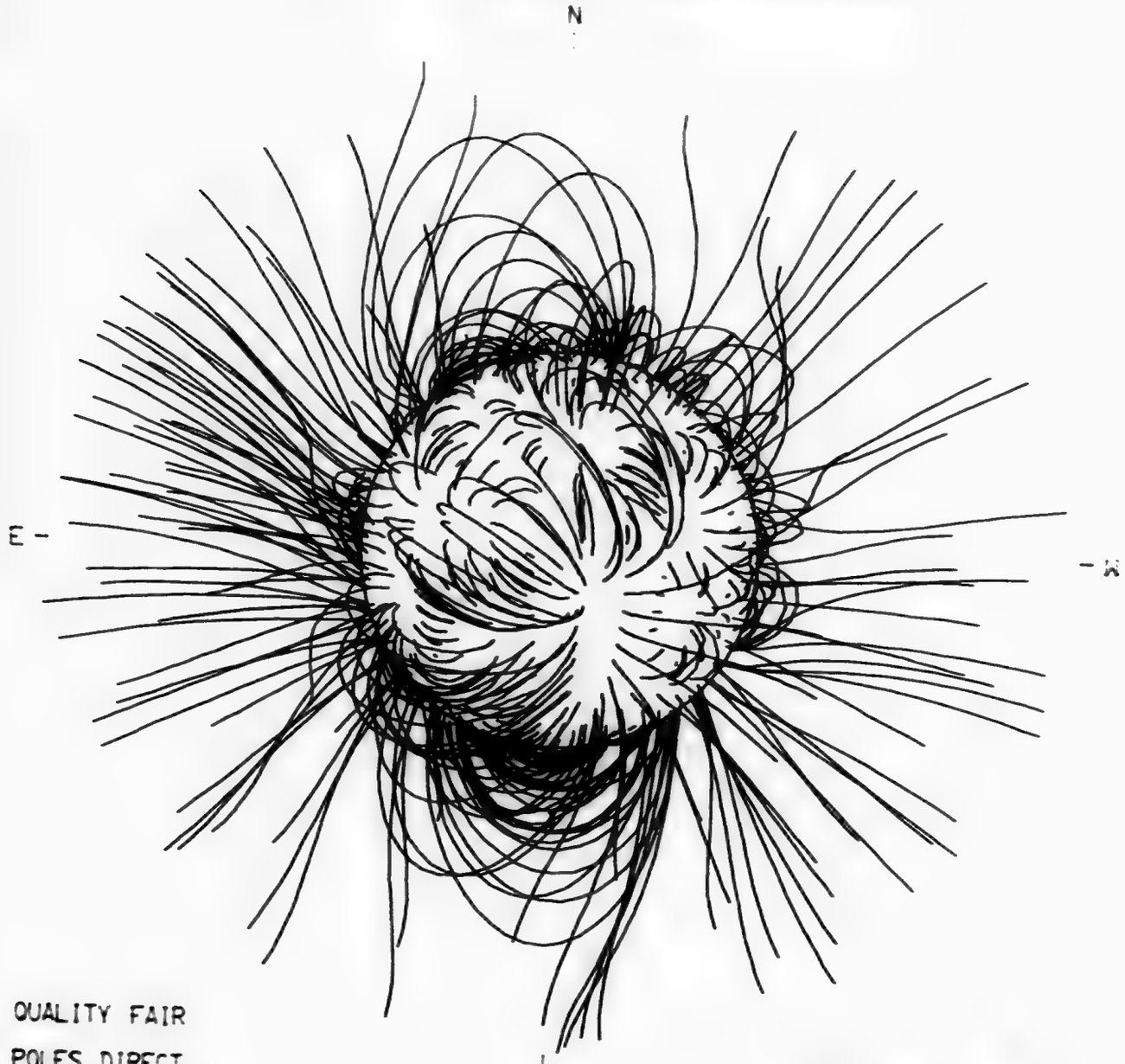
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1440 LONG. 10°

23.6 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

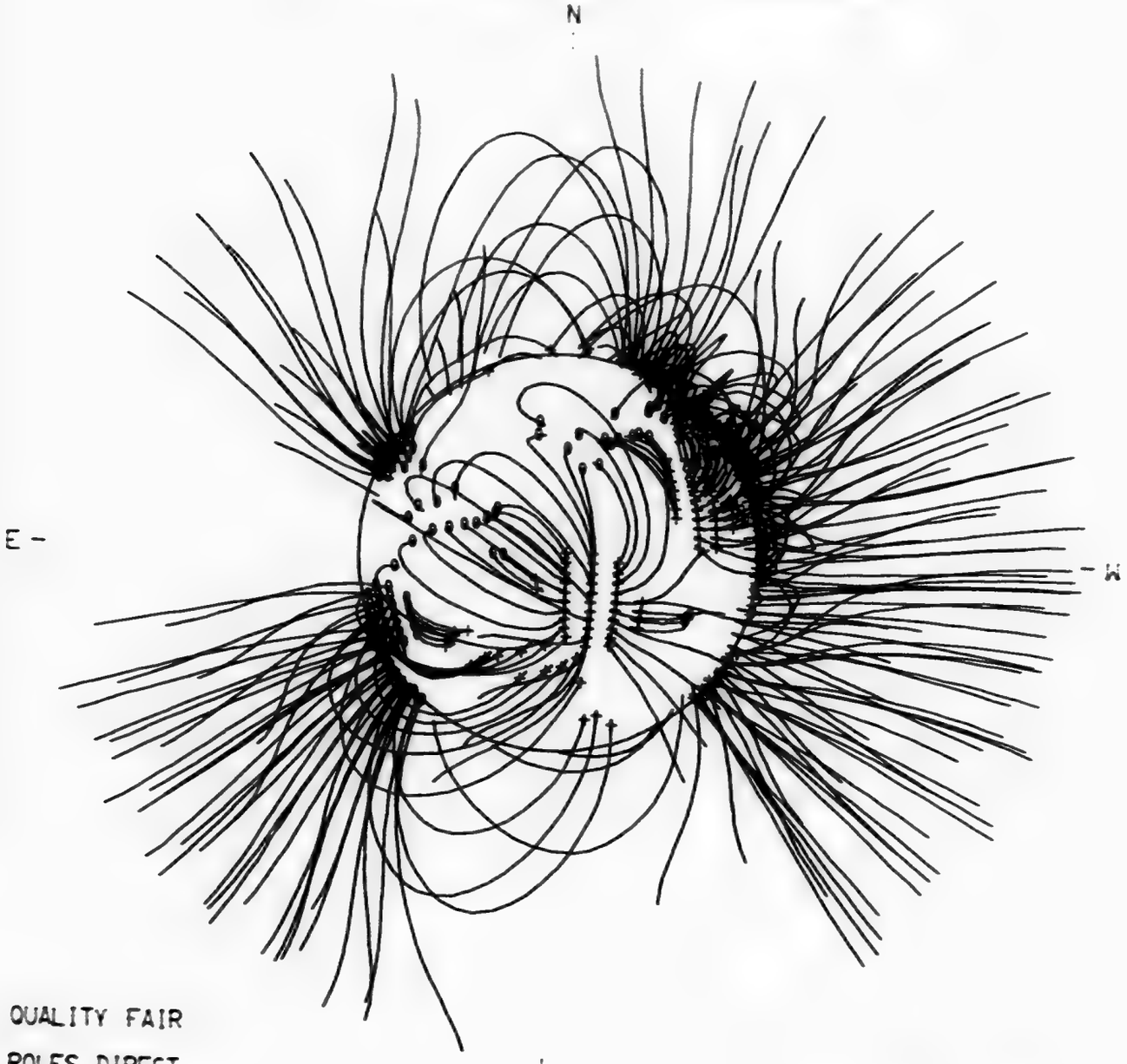
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1440 LONG. 0°

24.4 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

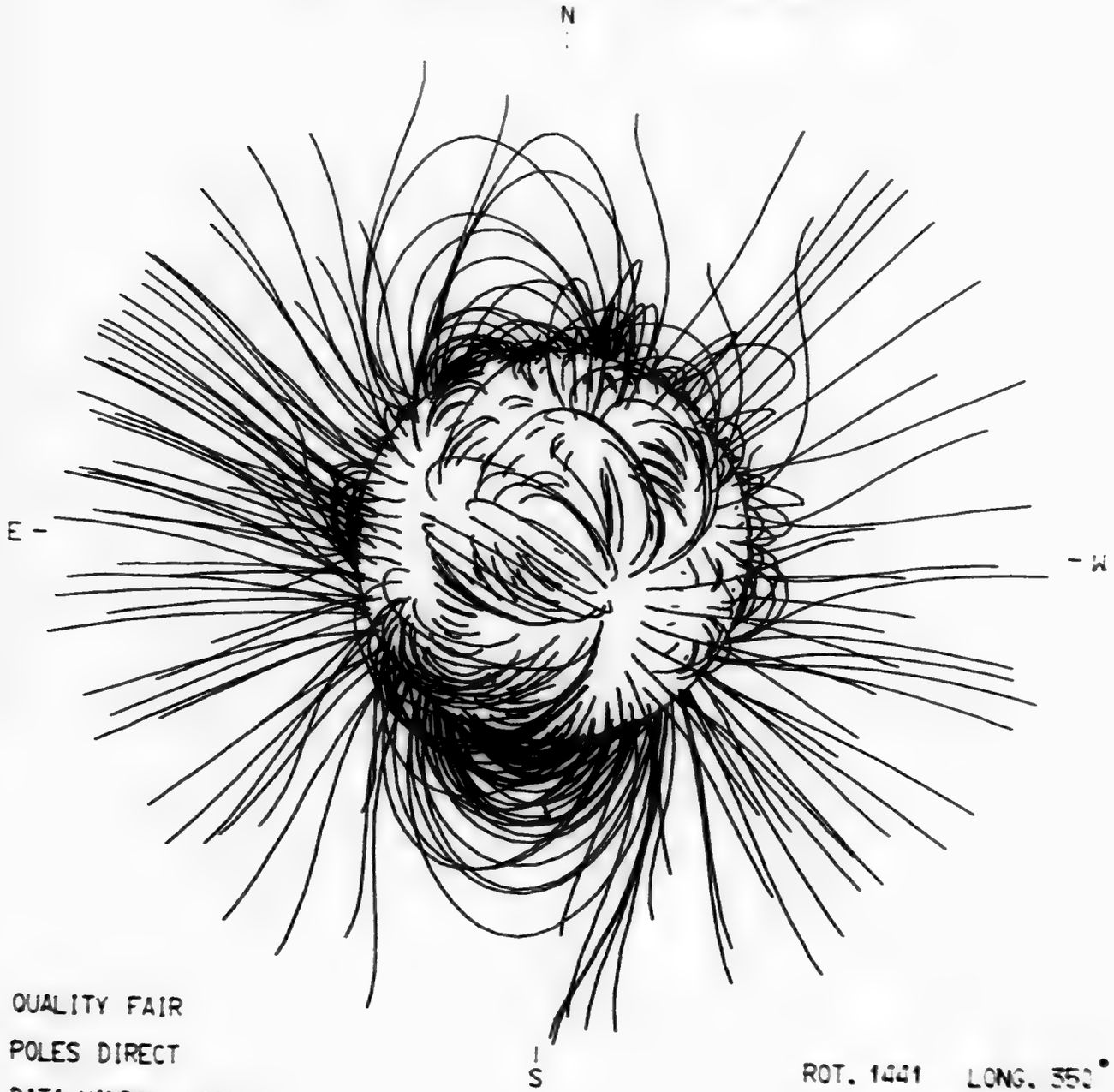
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1440 LONG. 3°

24.4 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

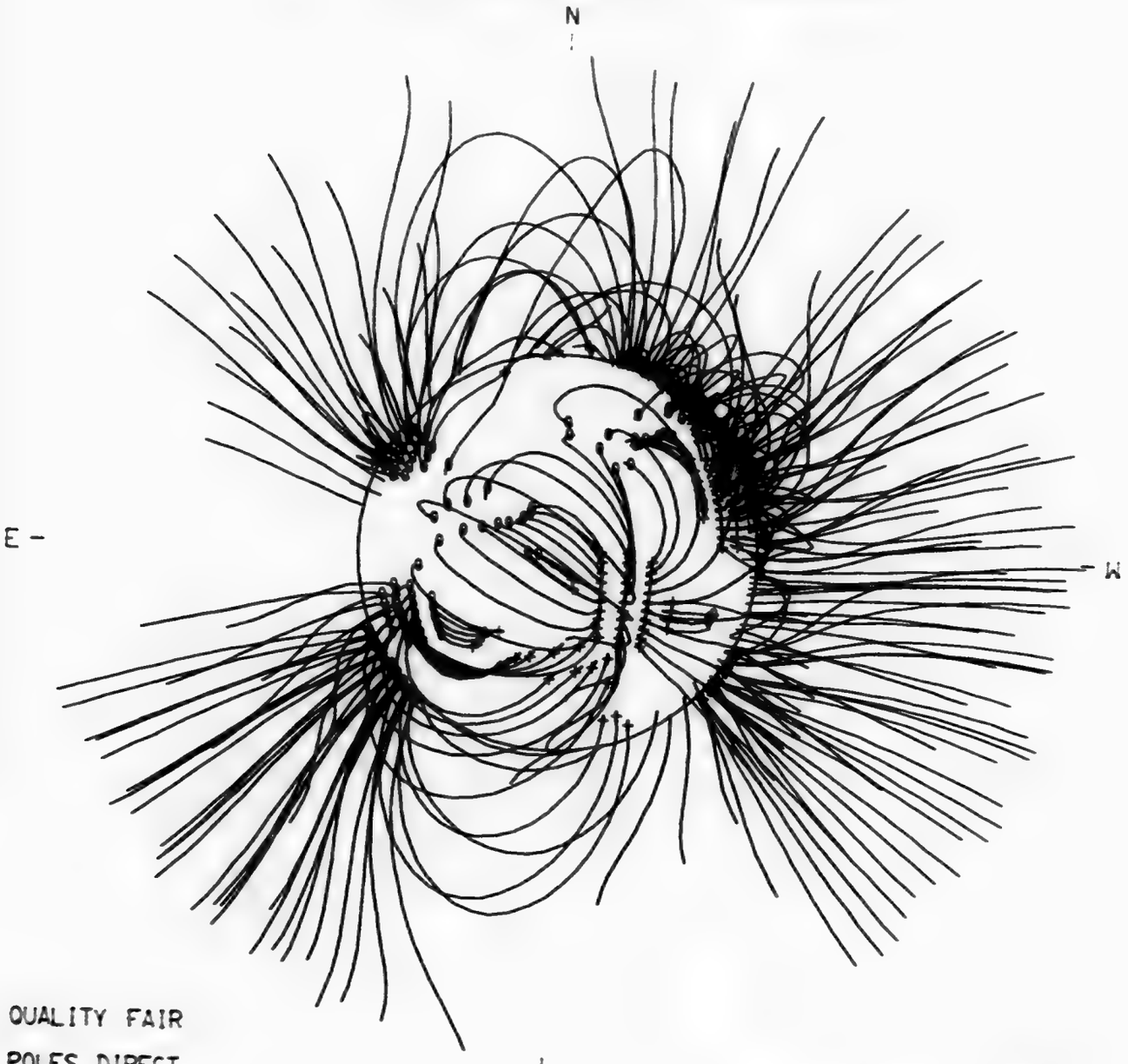
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1441 LONG. 352°

25.1 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

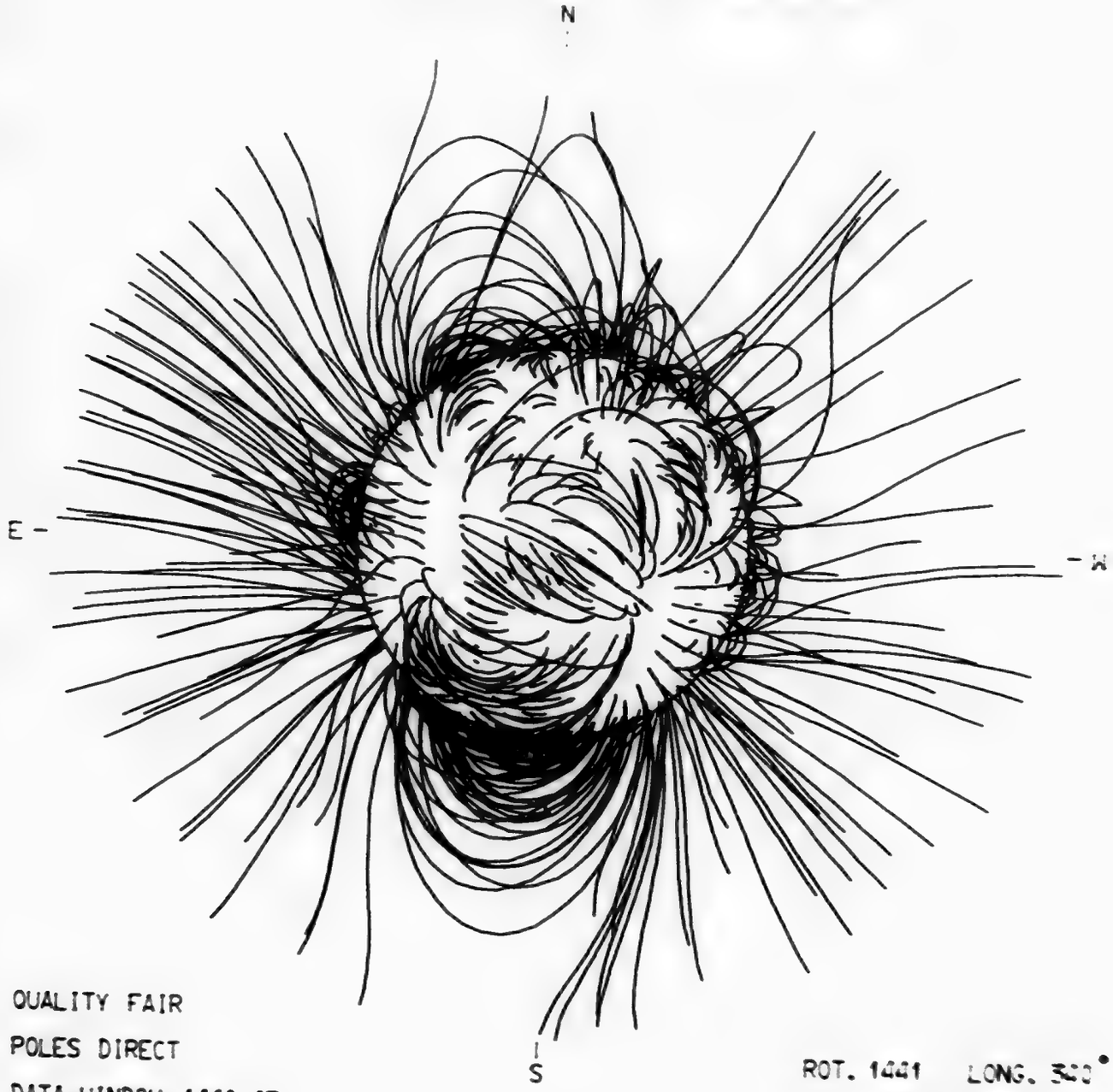
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1441 LONG. 350°

25.1 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

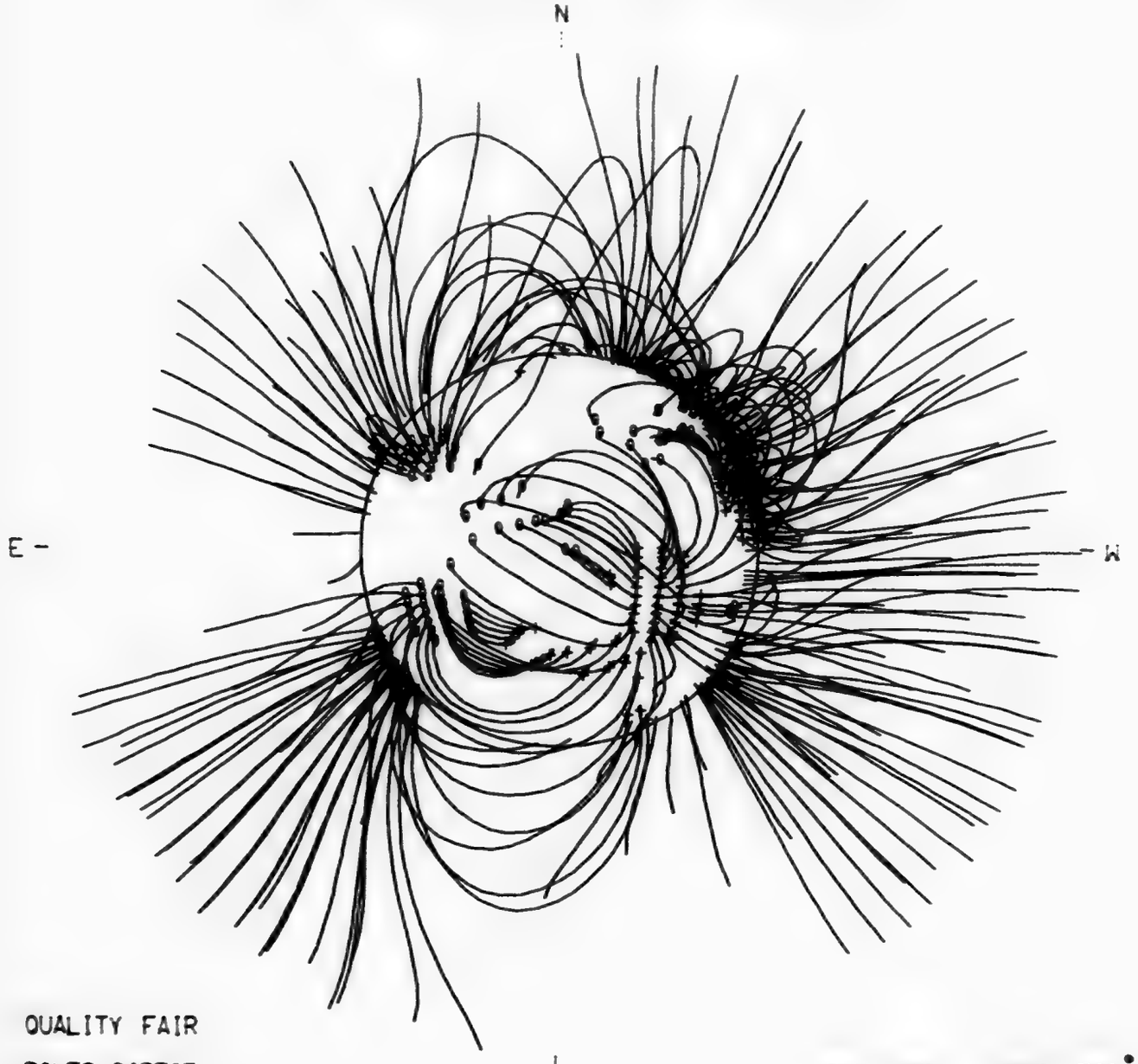
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1441 LONG. 330°

25.9 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

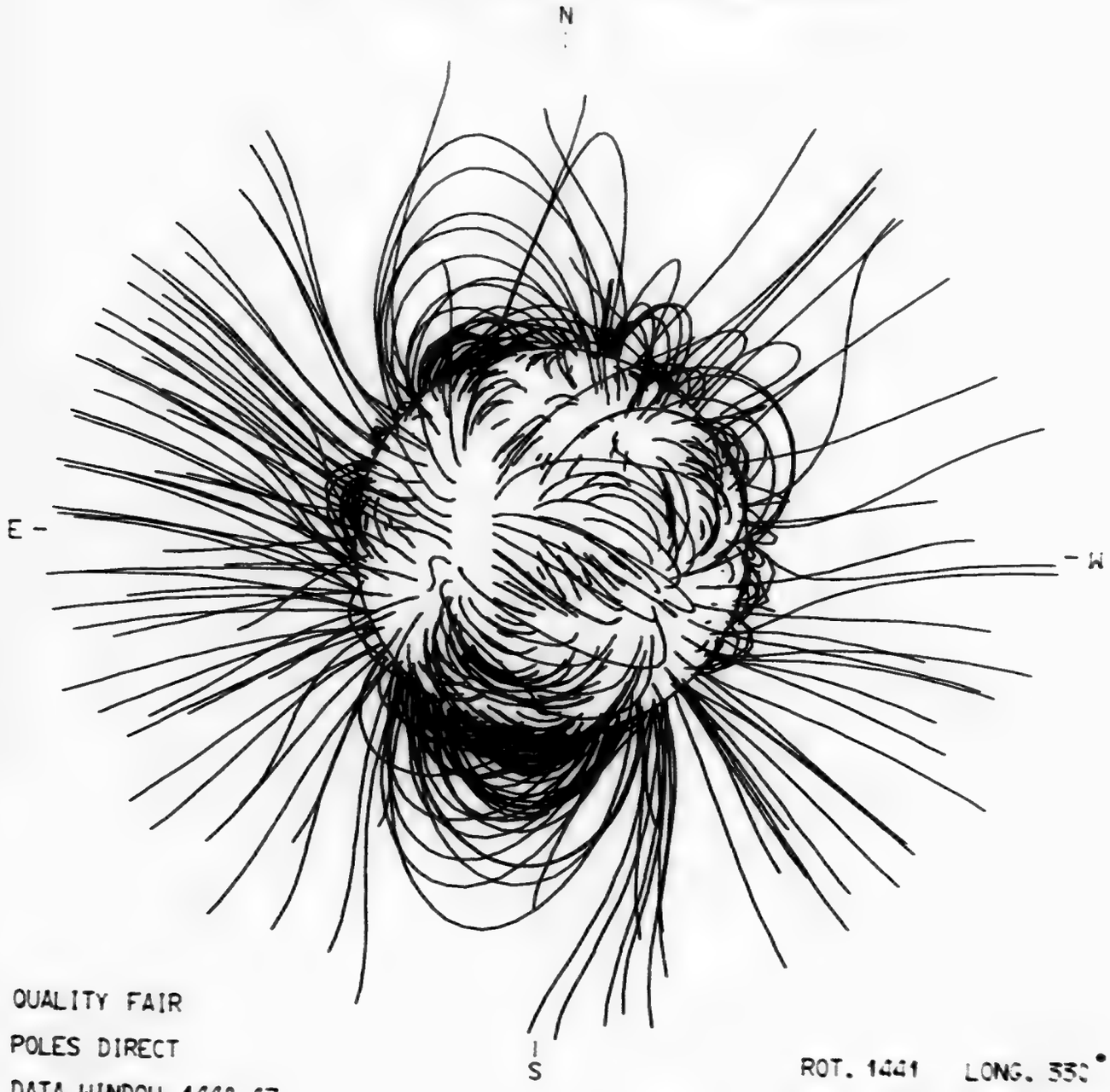
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1441 LONG. 340°

25.9 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

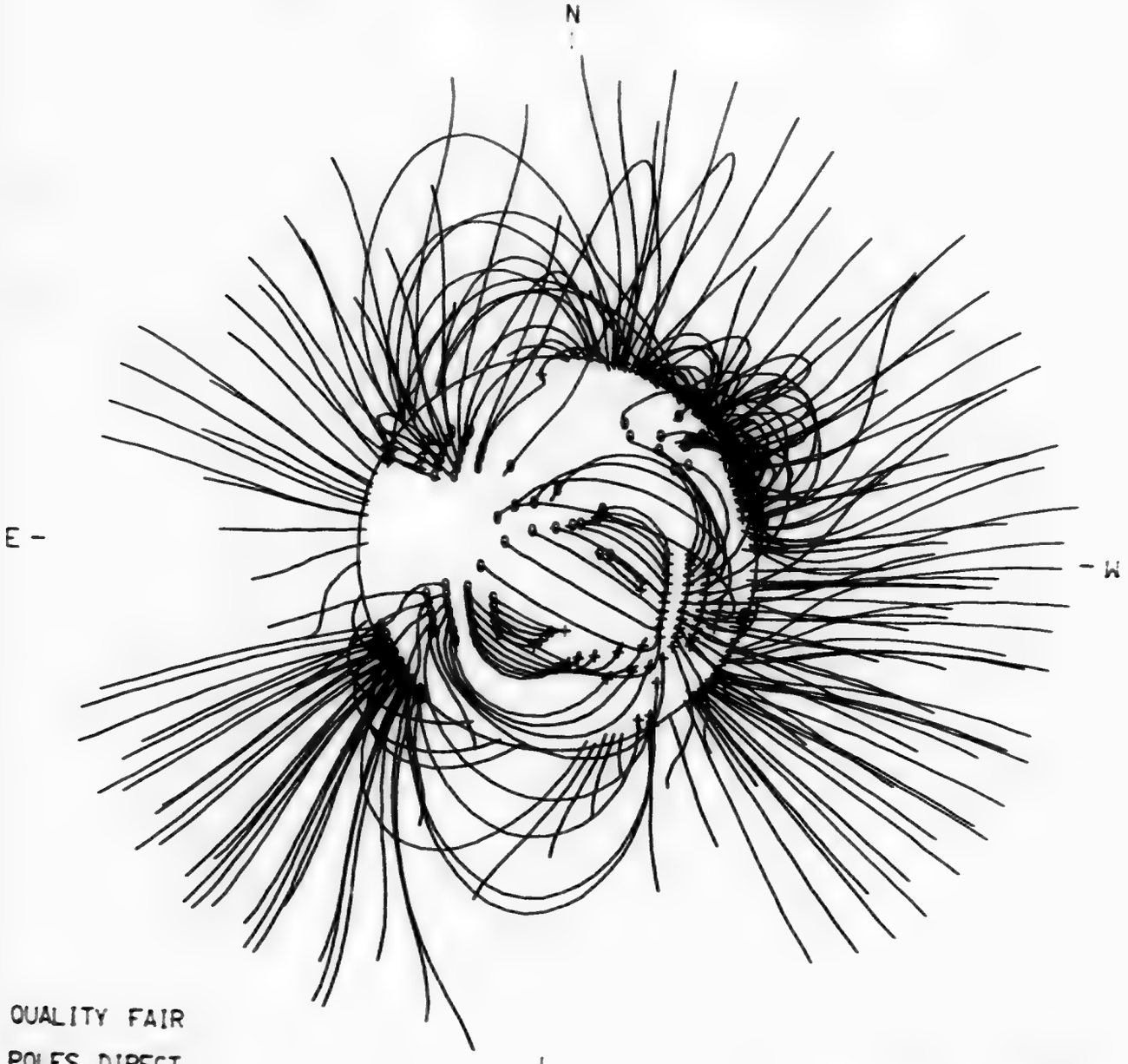
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1441 LONG. 330°

26.7 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

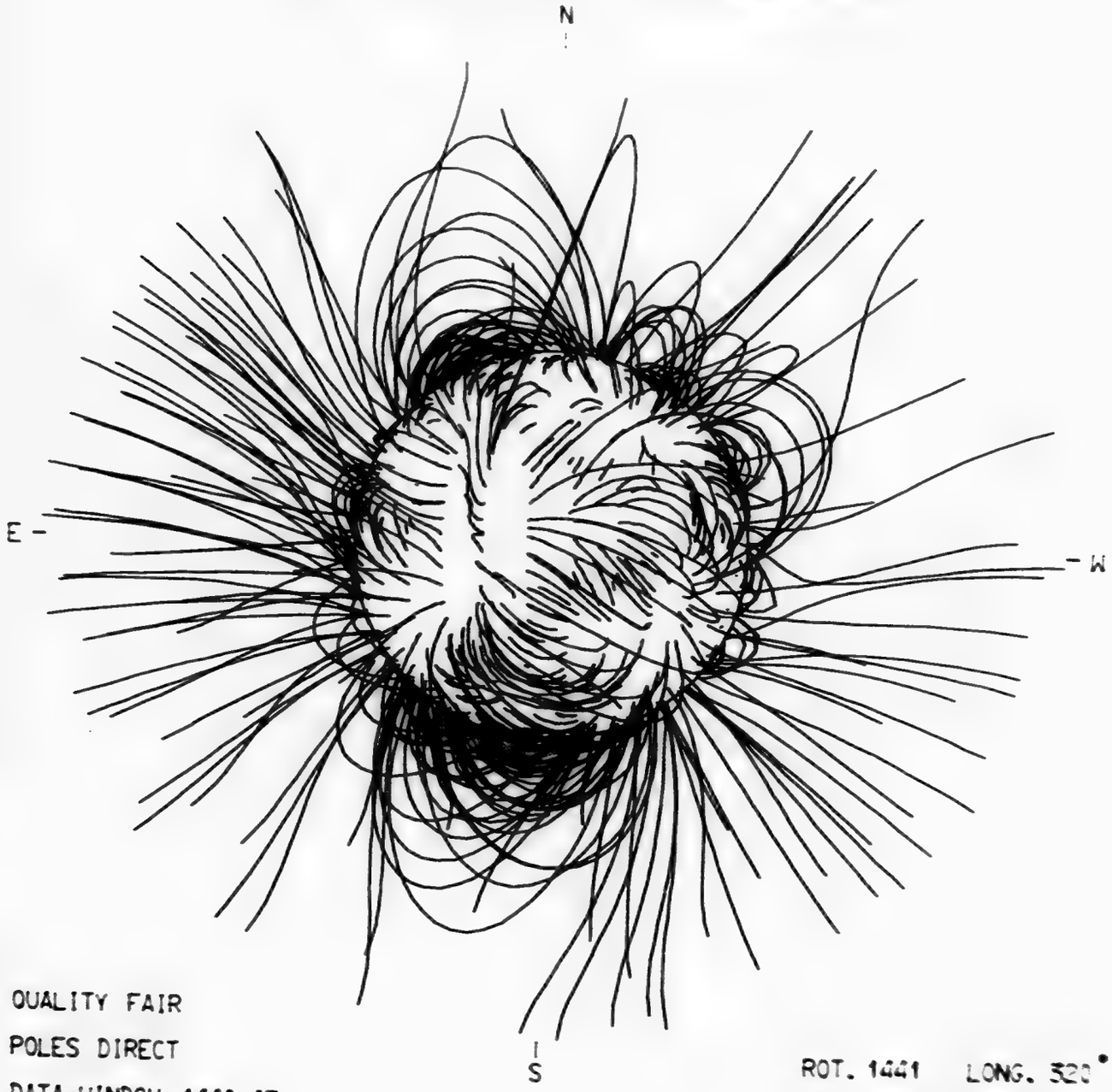
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1441 LONG. 55°

26.7 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

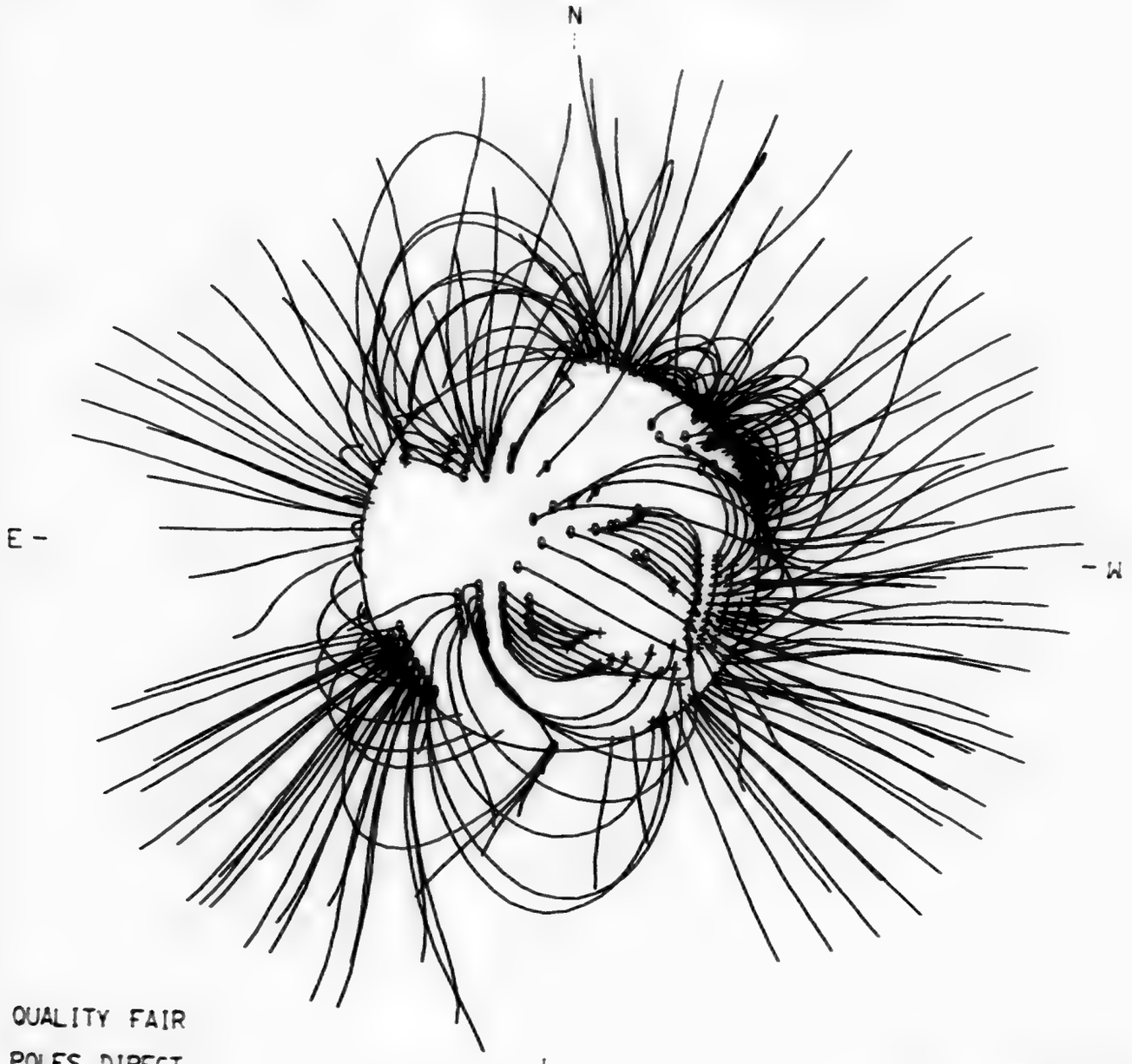
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1441 LONG. 320°

27.4 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

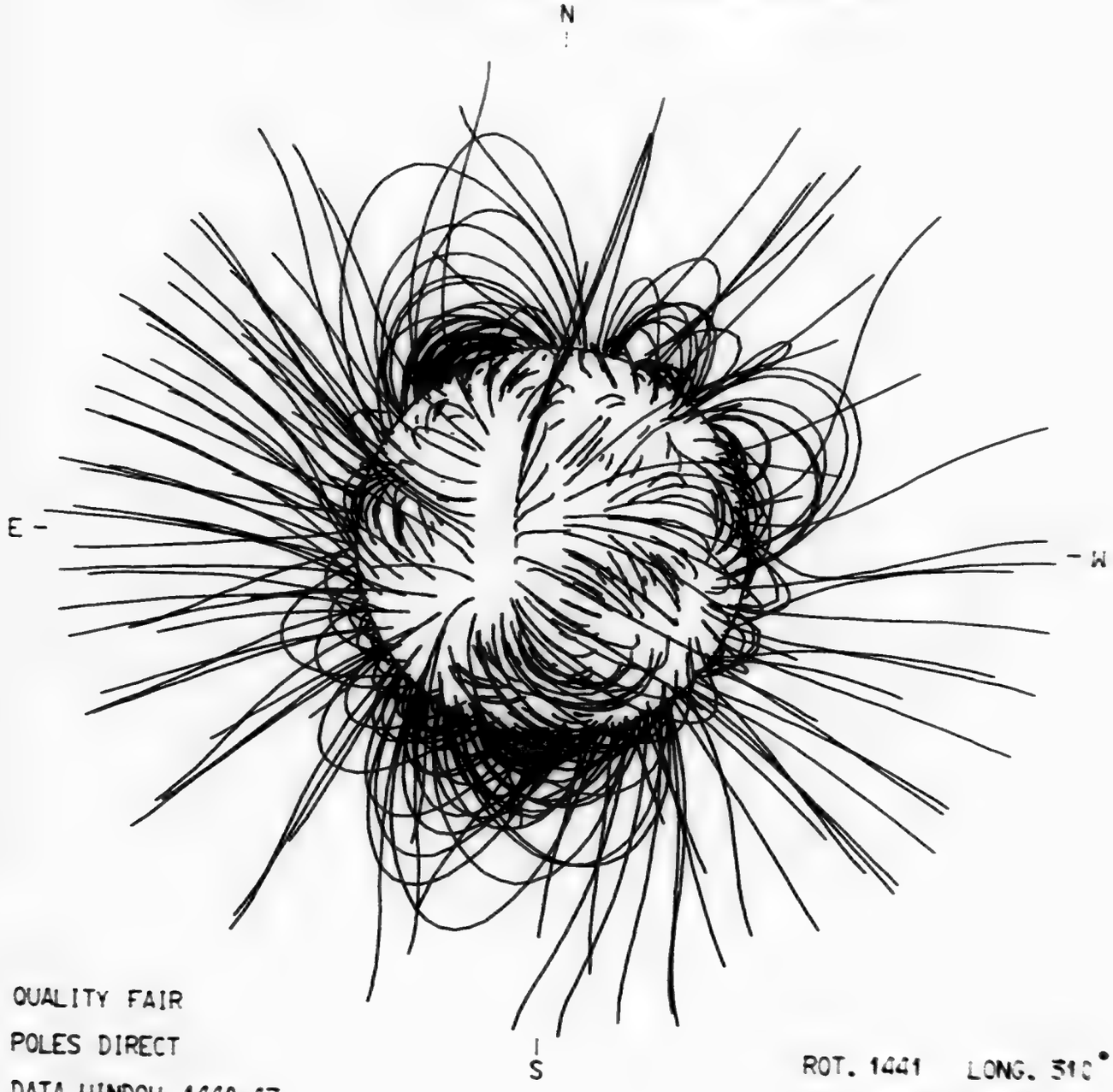
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1441 LONG. 320°

27.4 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

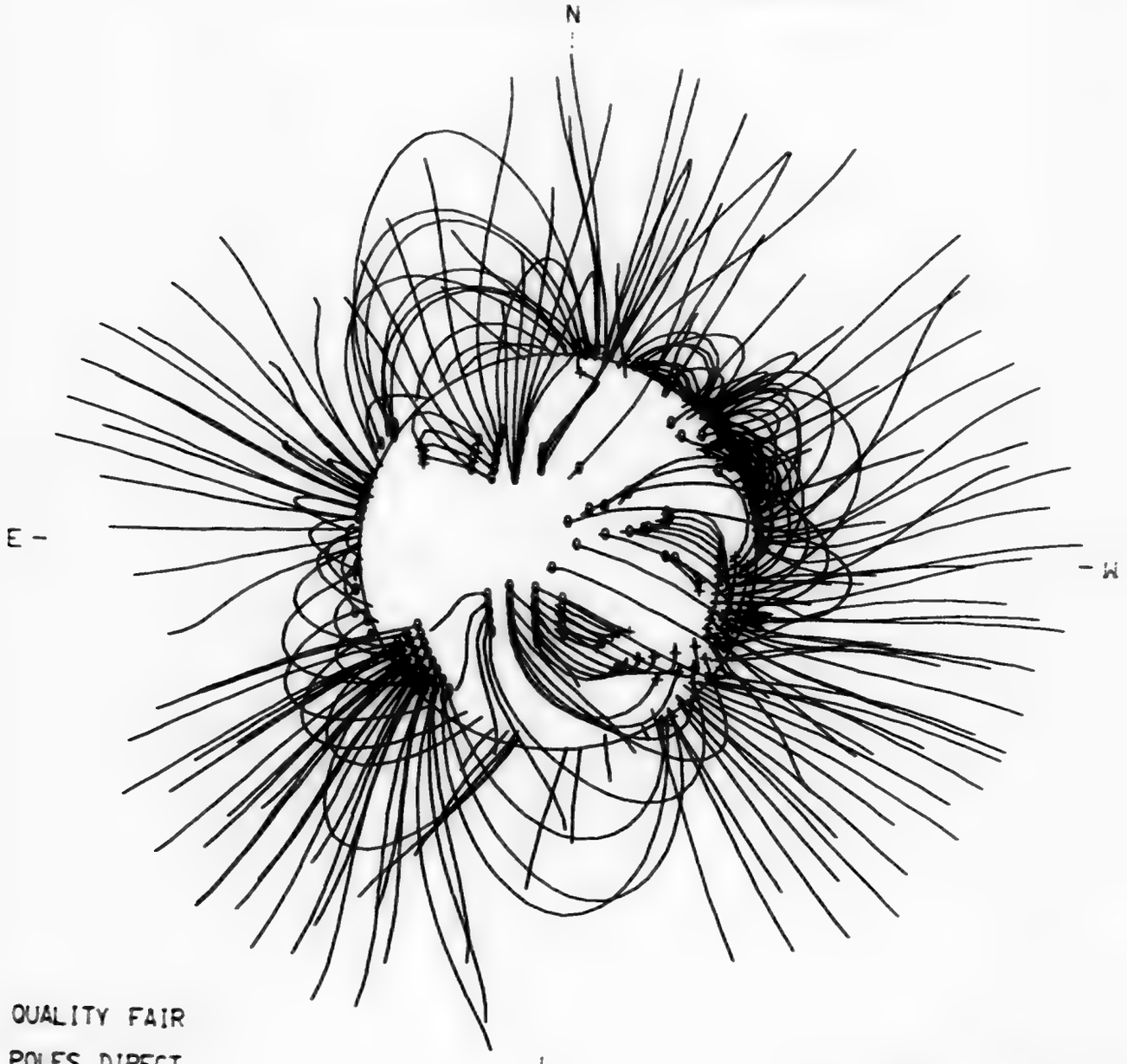
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1441 LONG. 310°

28.2 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

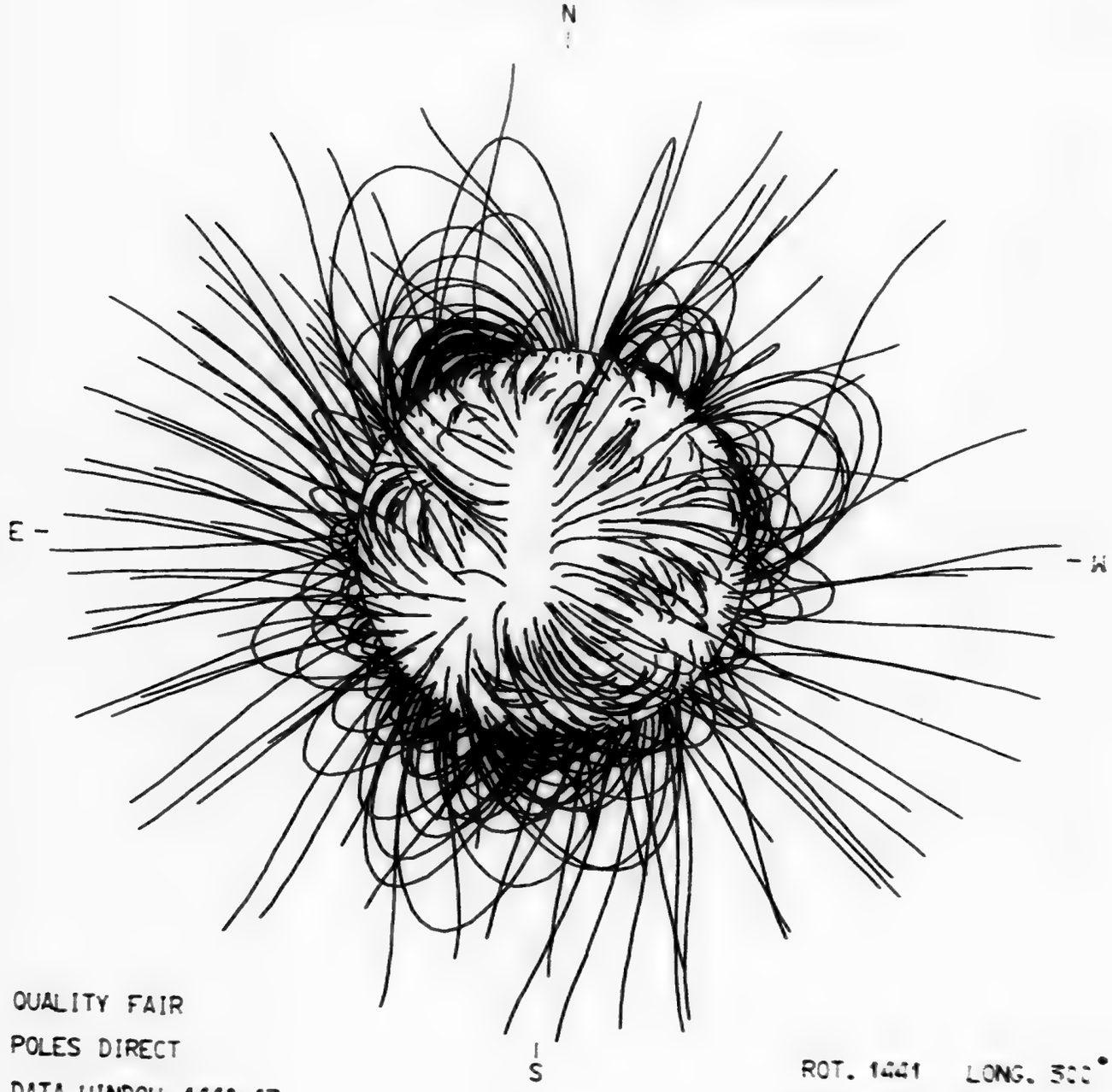
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1441 LONG. 31[illegible]°

28.2 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

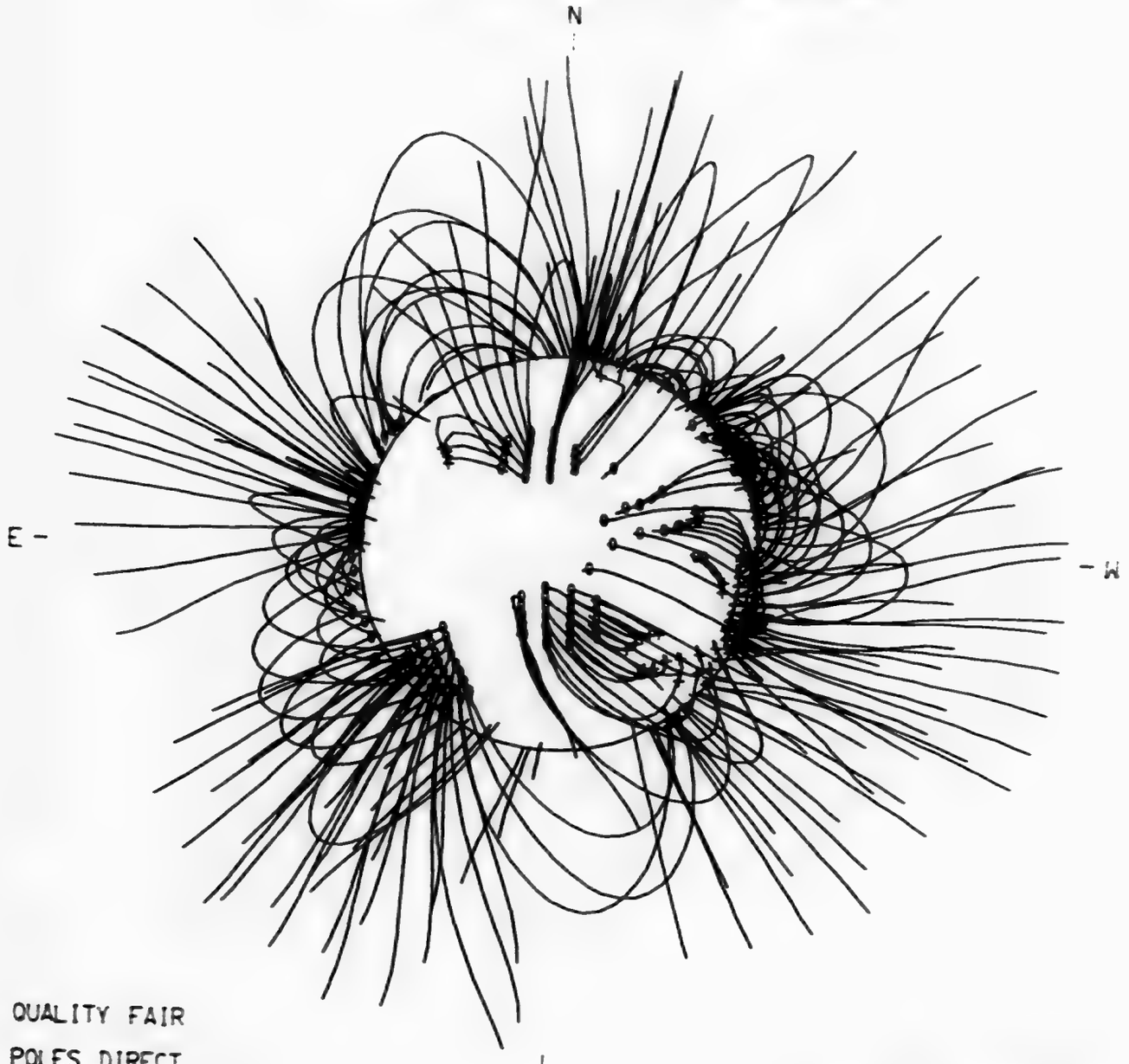
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1441 LONG. 300°

28.9 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

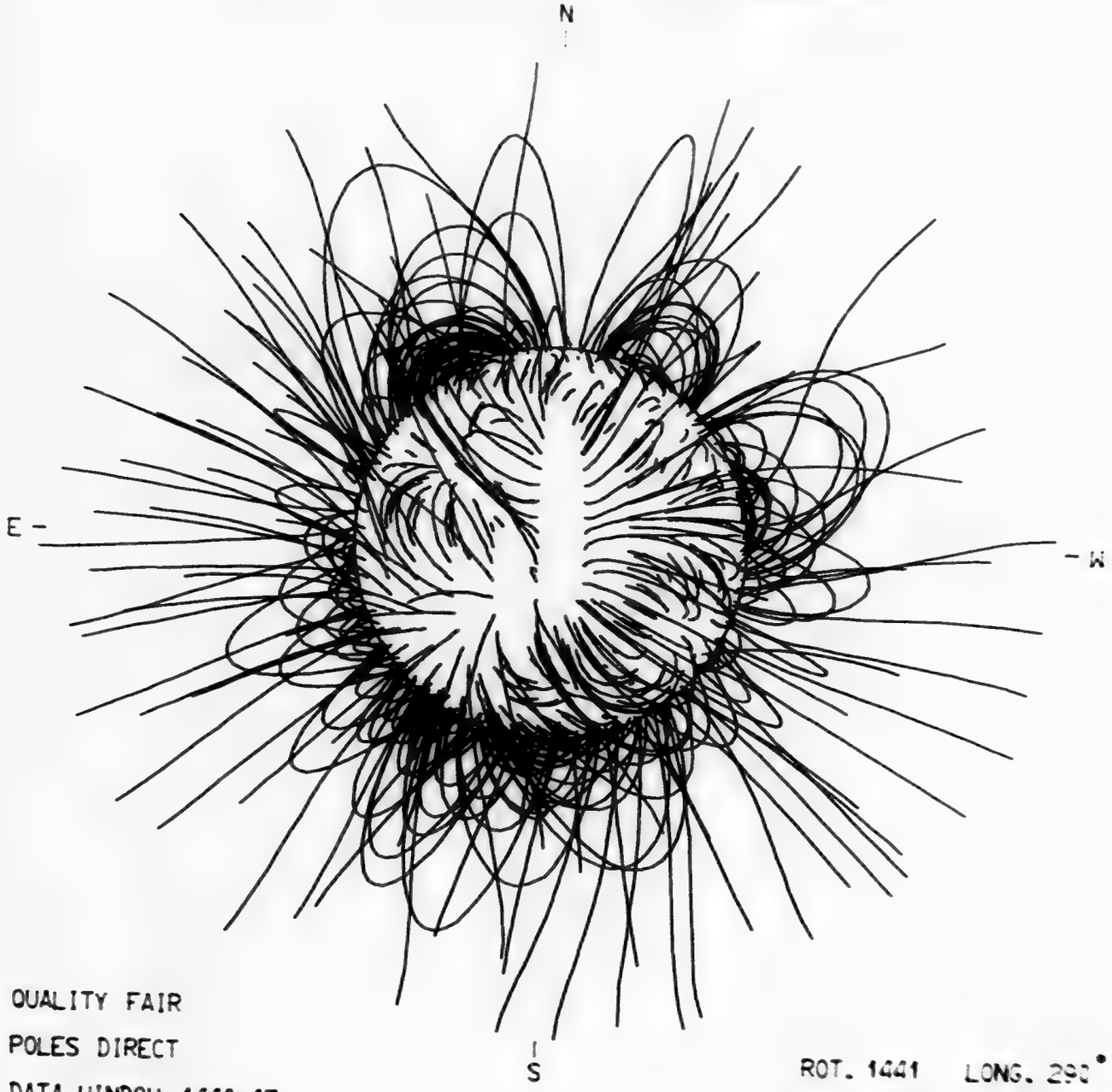
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1441 LONG. 300°

28.9 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

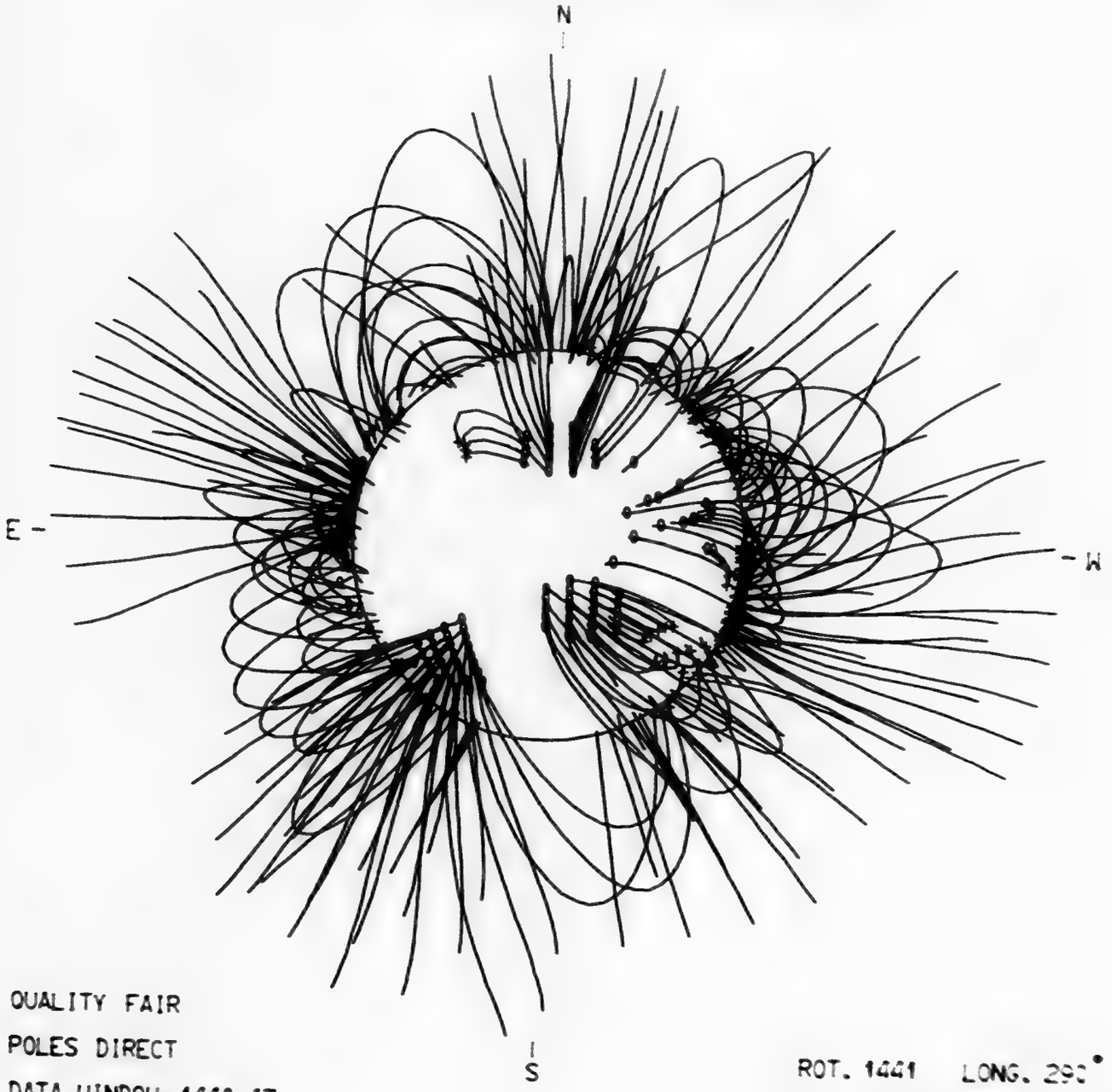
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1441 LONG. 290°

29.7 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

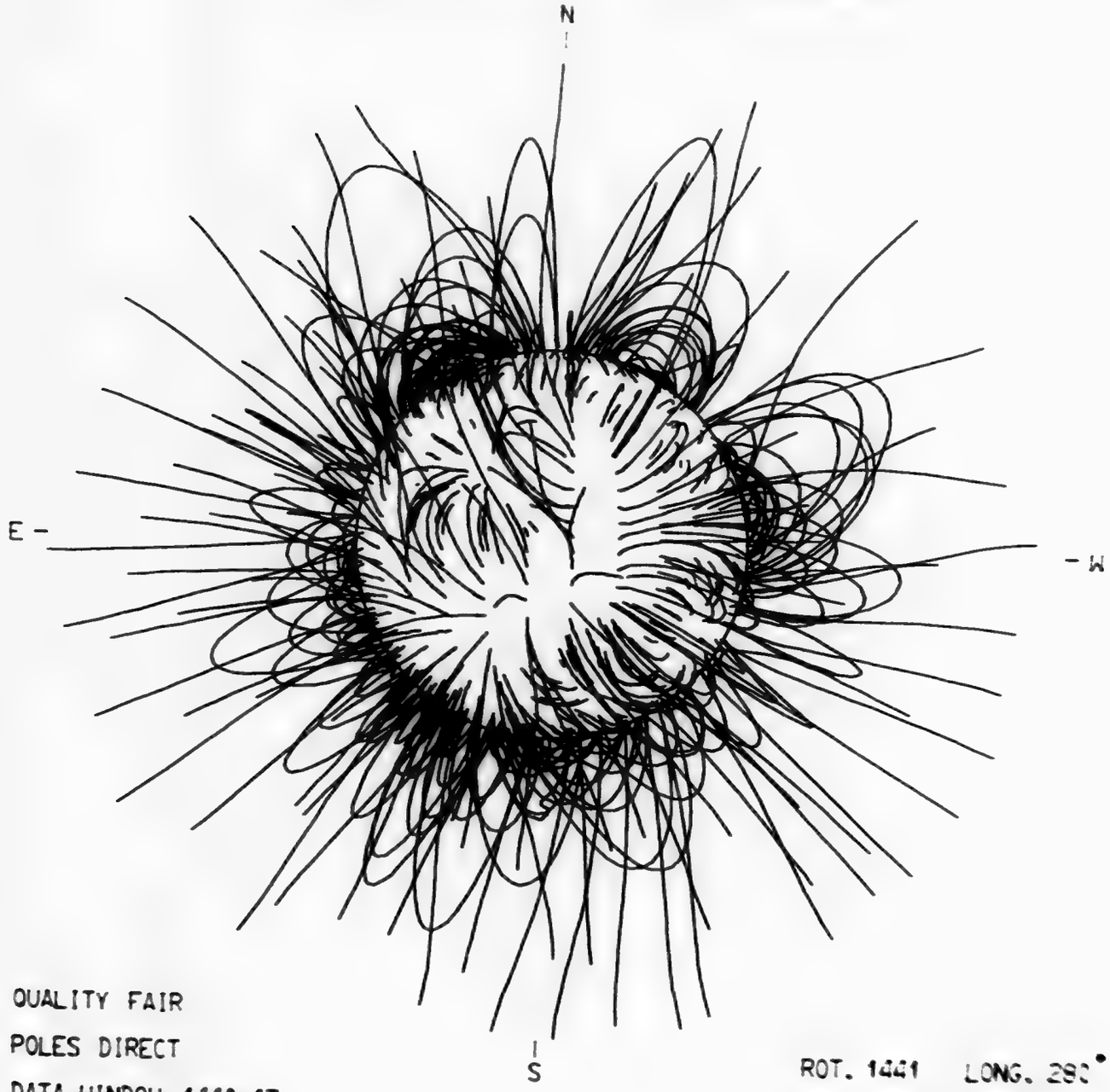
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1441 LONG. 290°

29.7 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

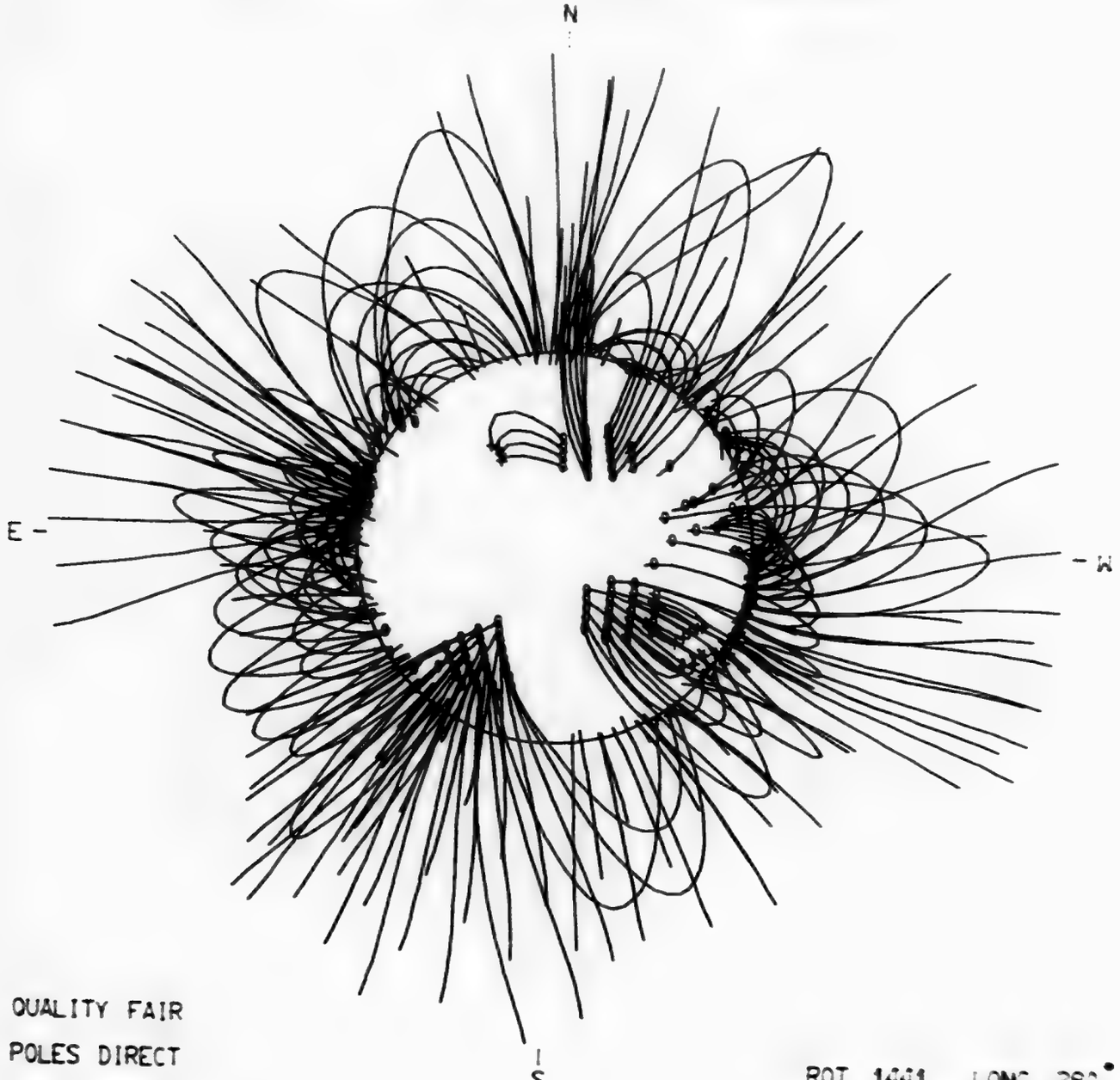
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1441 LONG. 280°

30.5 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

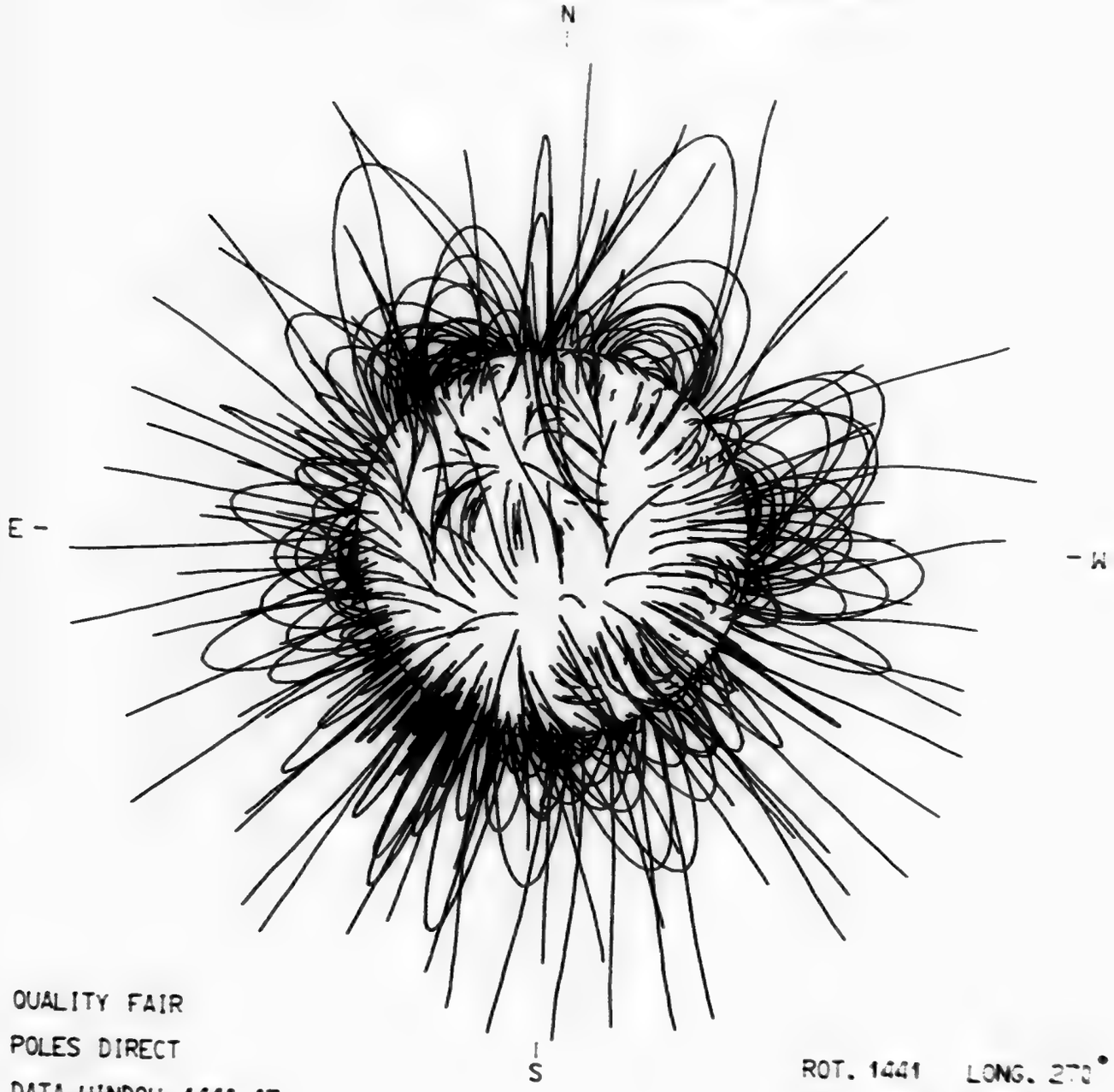
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1441 LONG. 280°

30.5 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

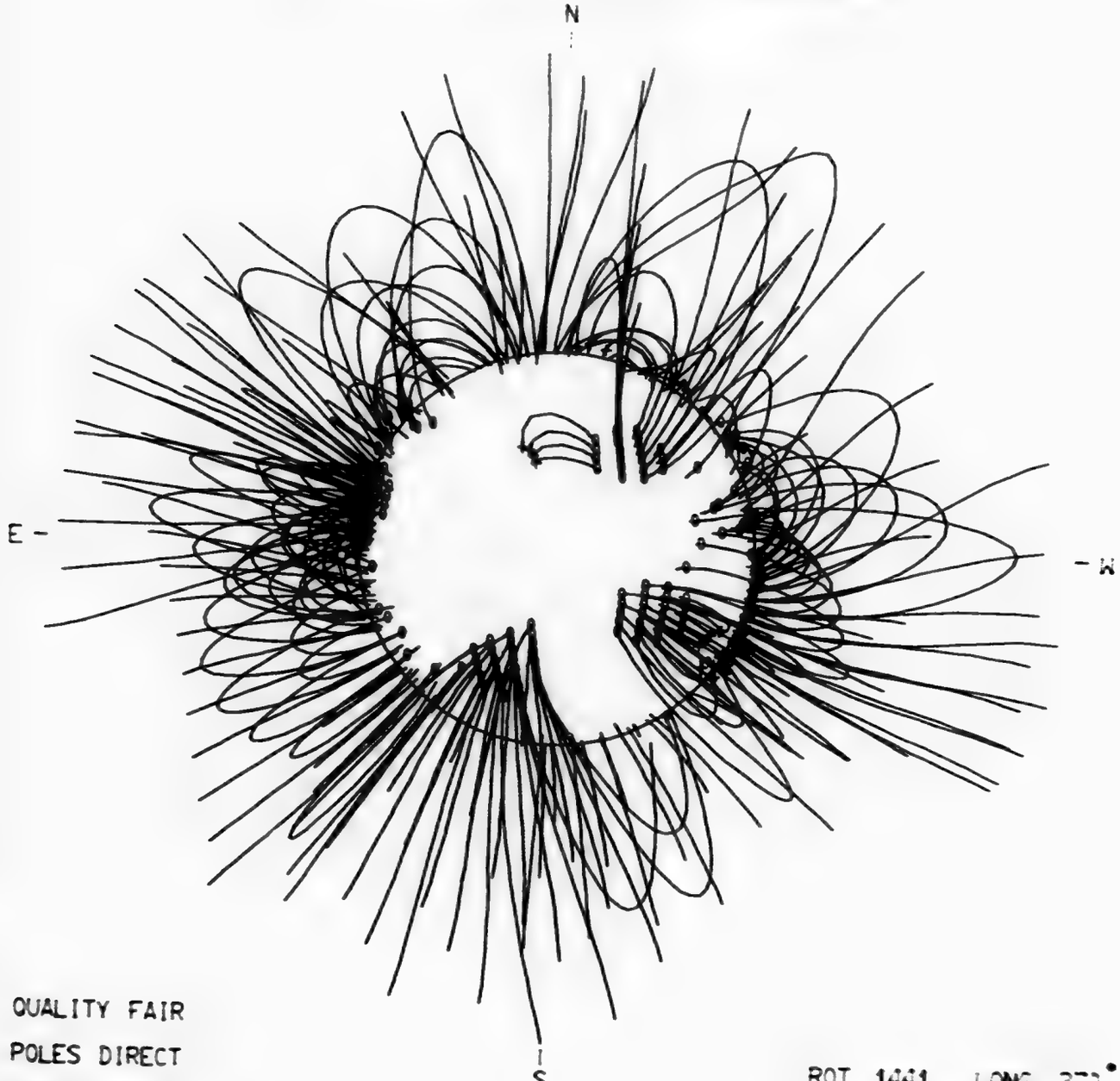
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1441 LONG. 270°

31.2 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

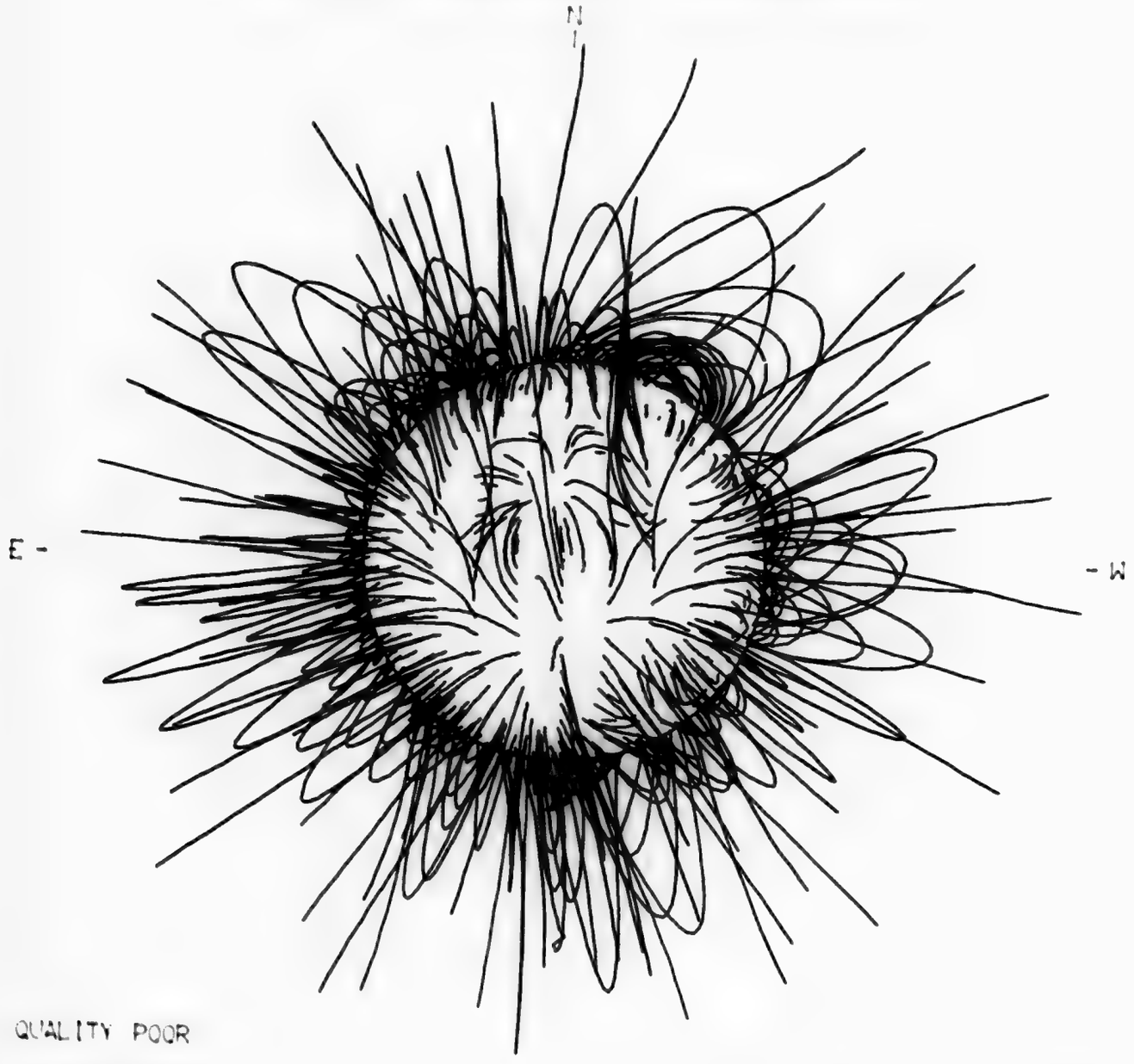
POLES DIRECT

DATA WINDOW 1440.47

ROT. 1441 LONG. 270°

31.2 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

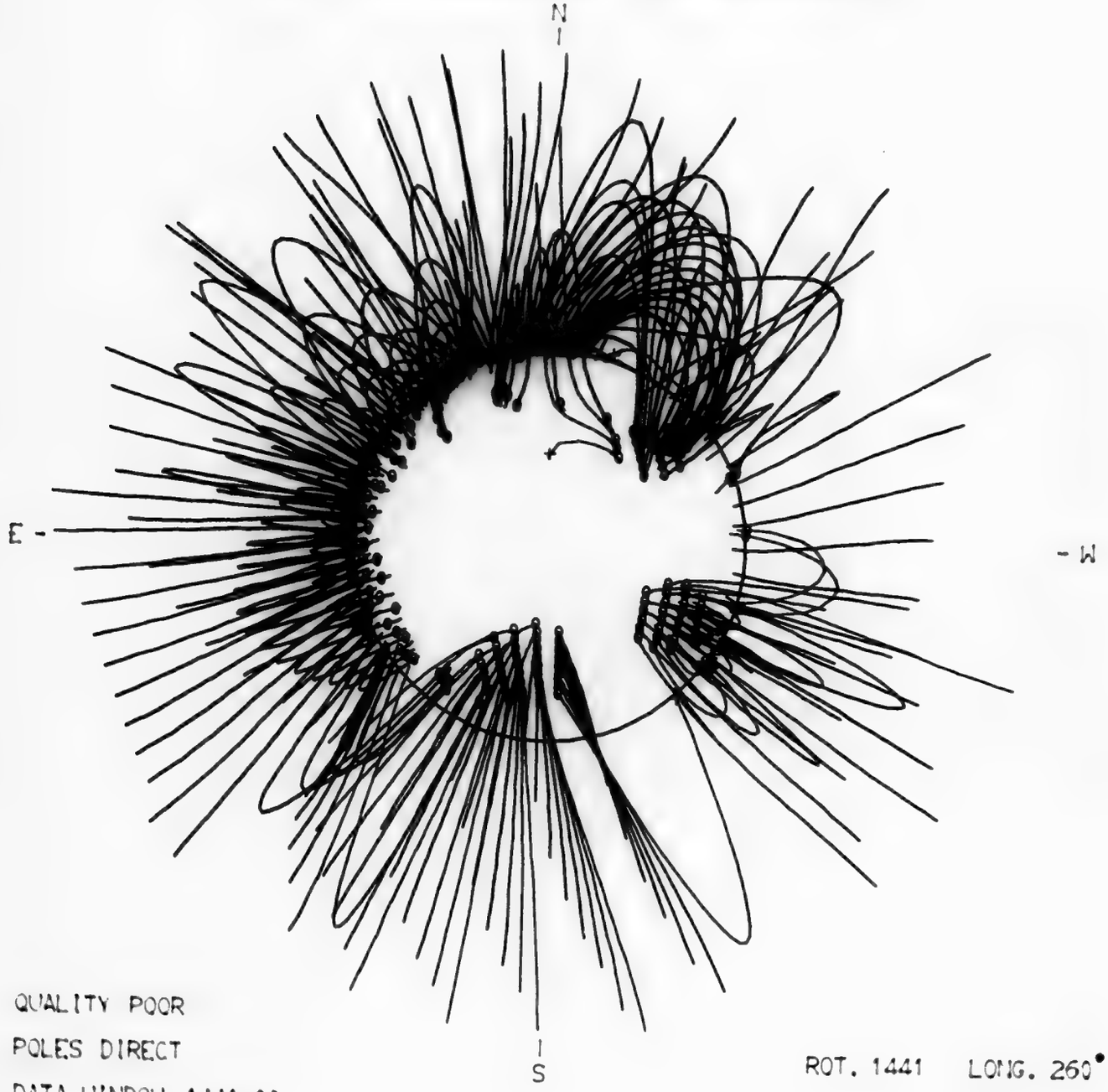
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 260°

31.9 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

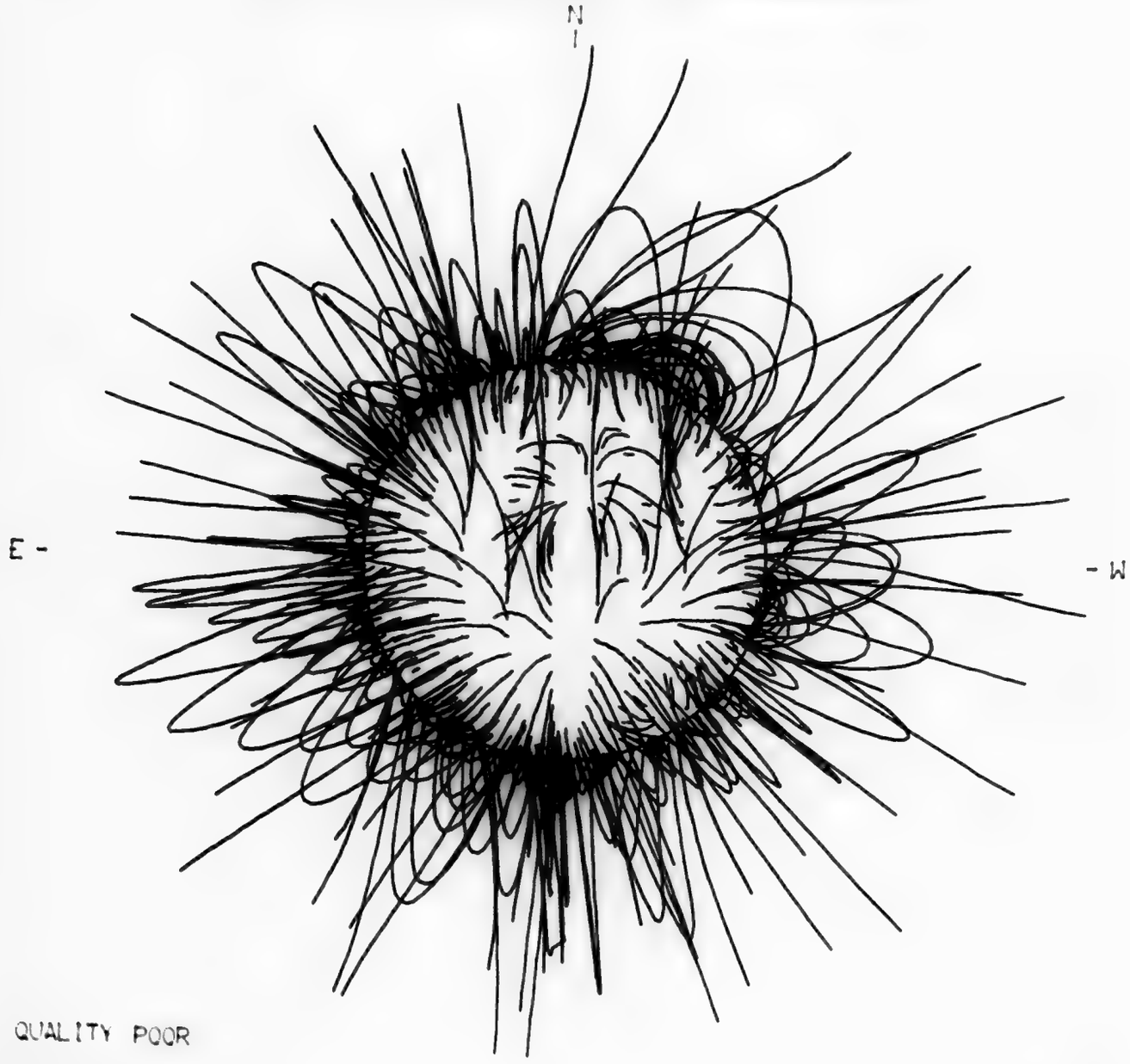
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 260°

31.9 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

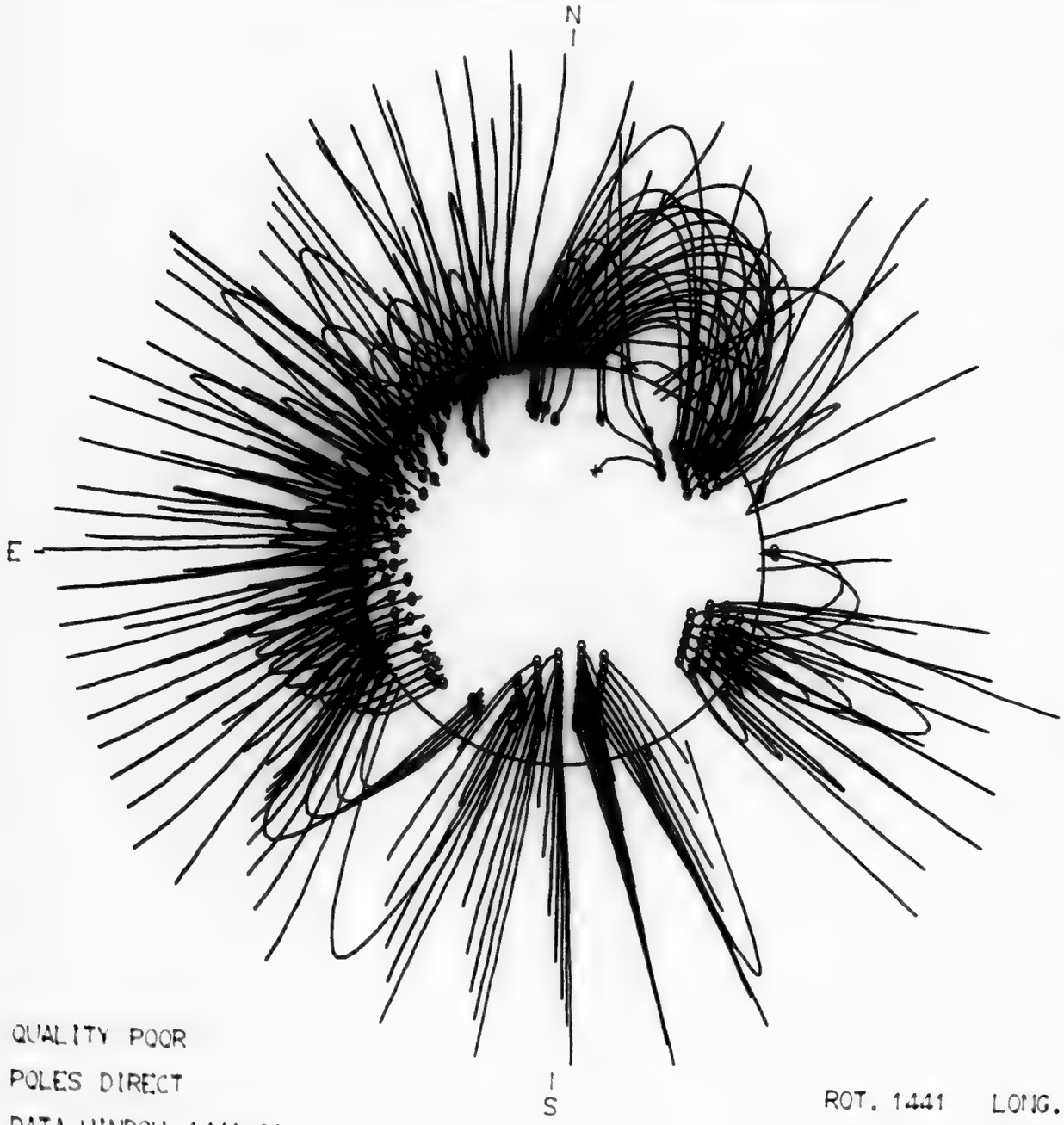
POLES DIRECT

DATA WINDOW 1.41.00

ROT. 1441 LONG. 250°

17 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

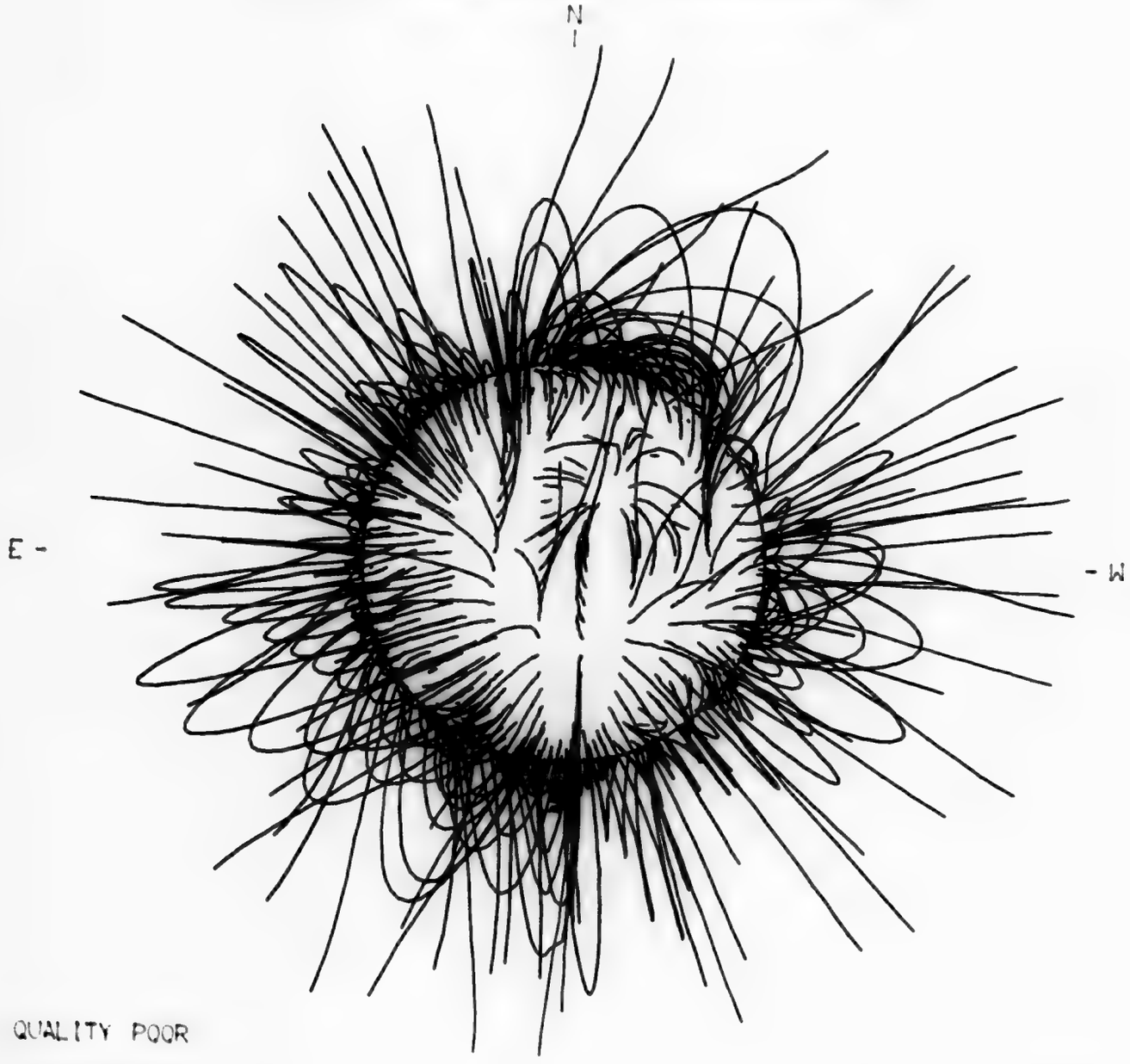
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 250°

17 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

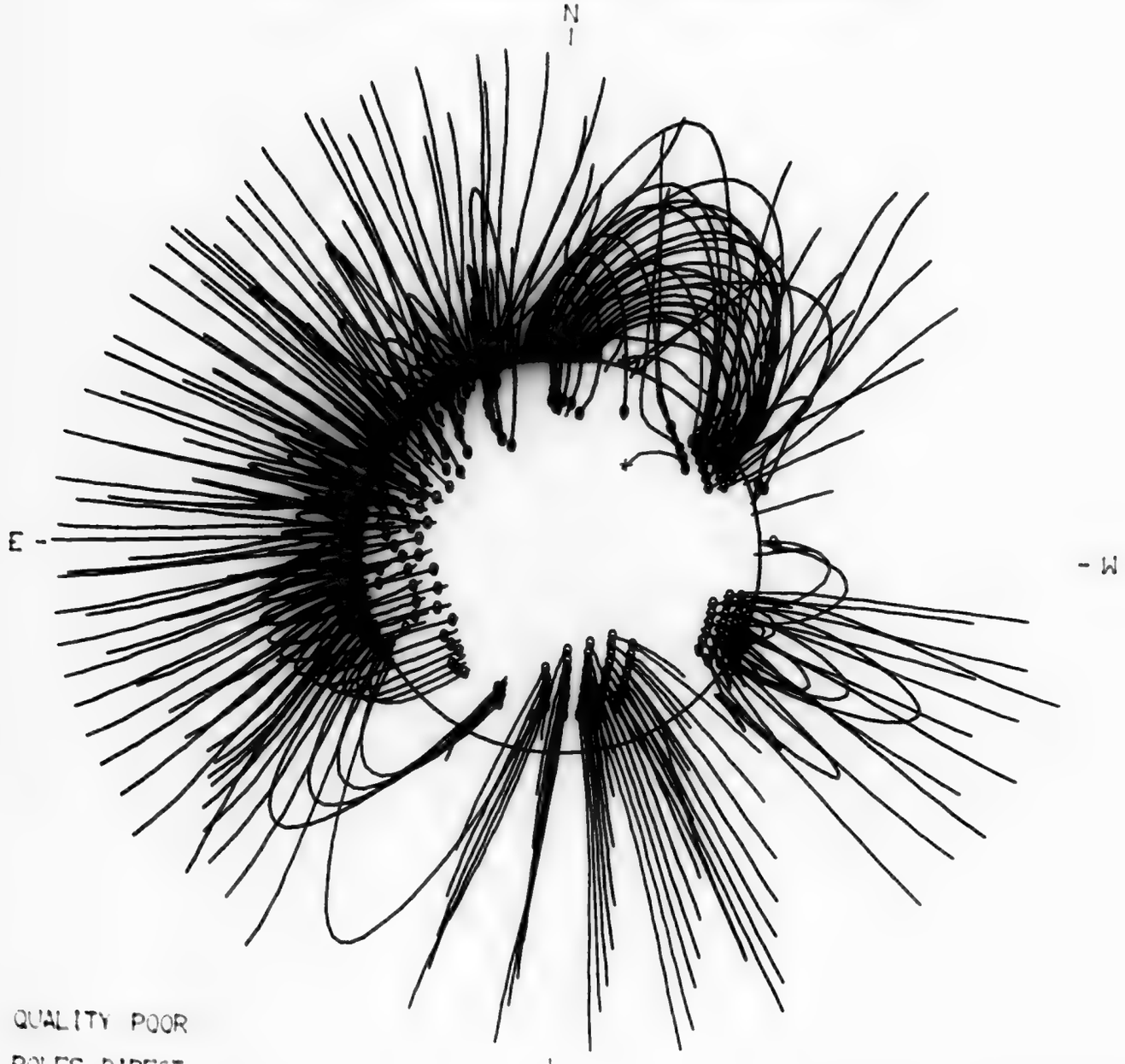
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 240°

24 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

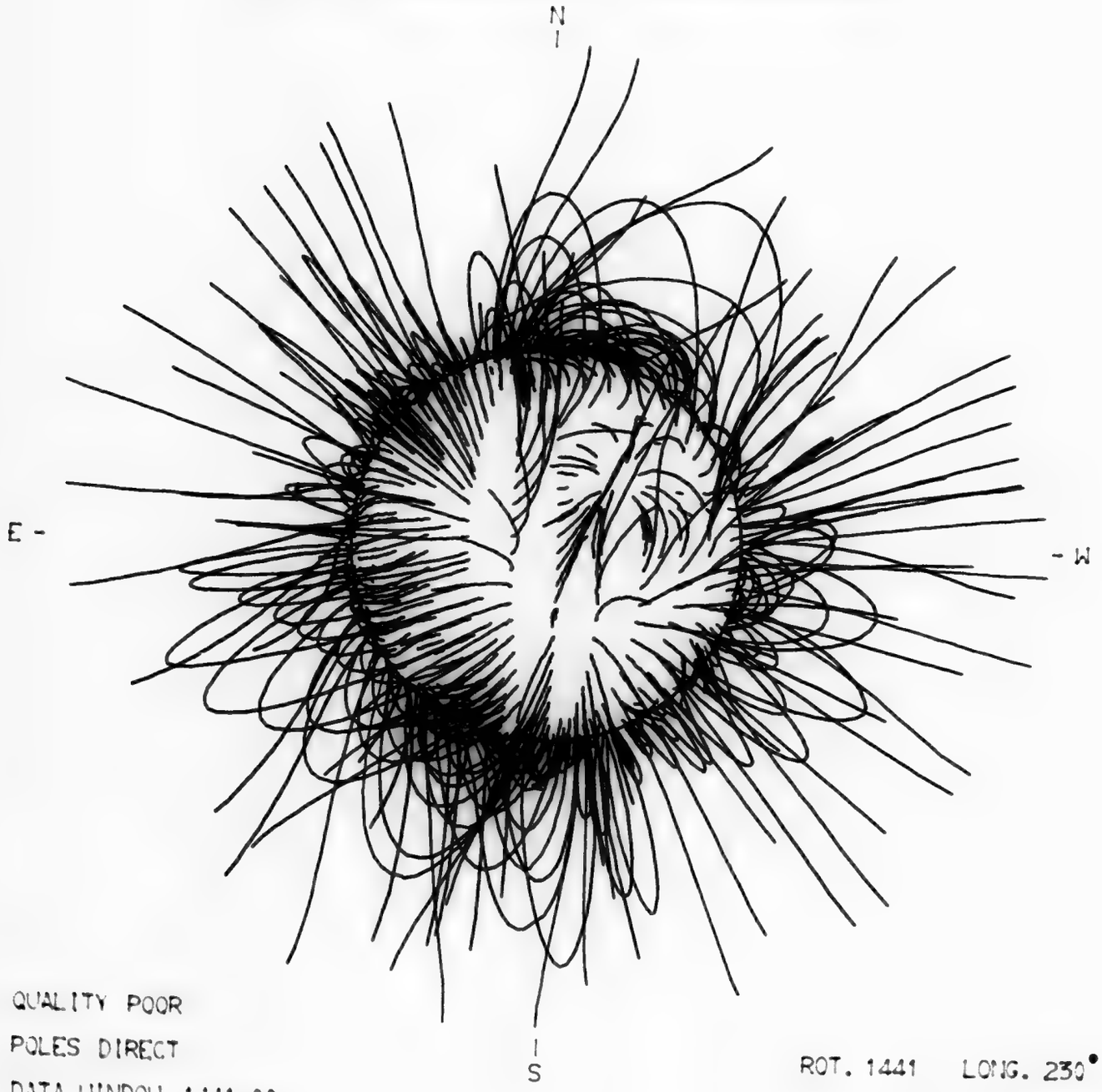
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 240°

2.4 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

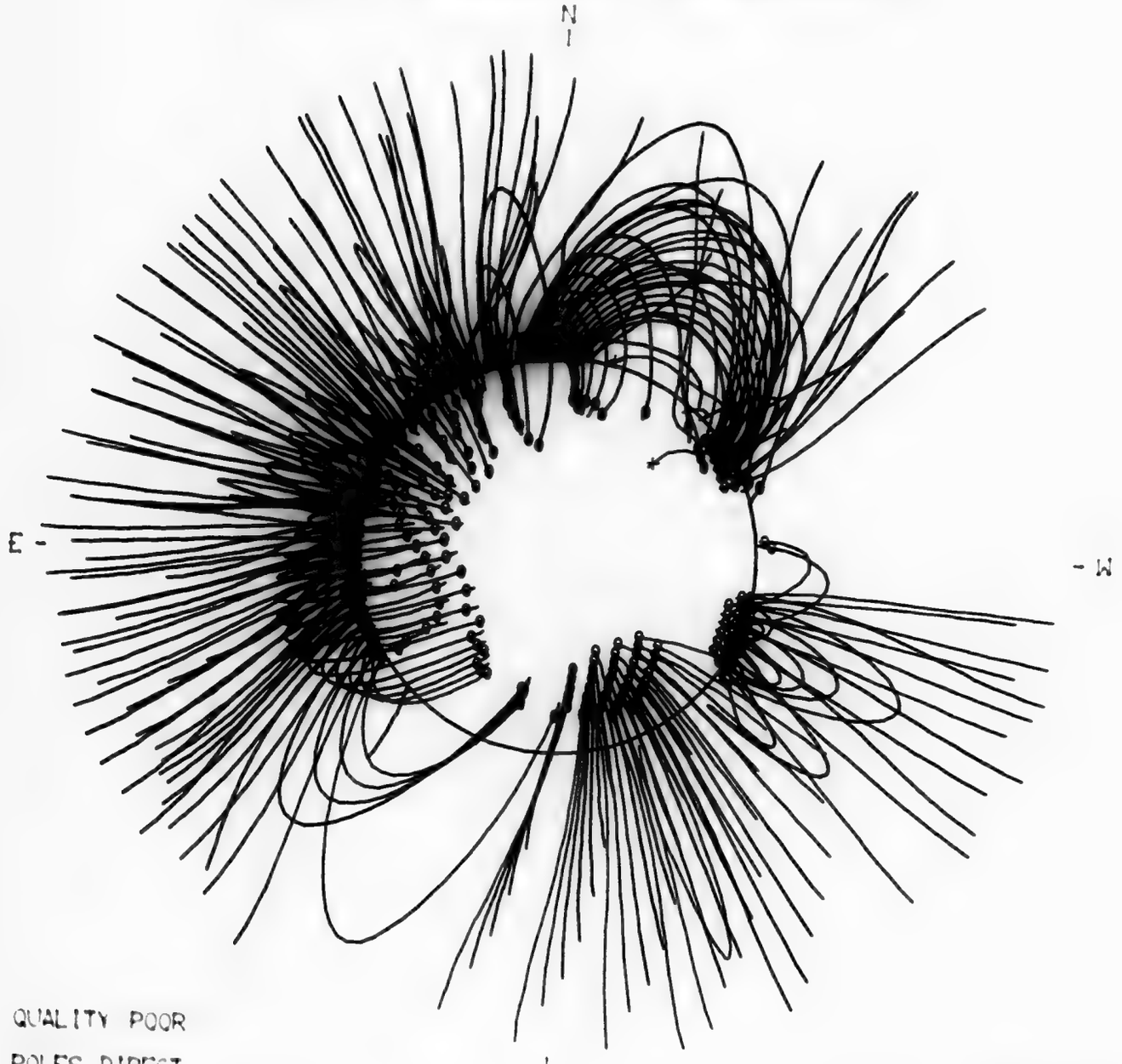
POLES DIRECT

DATA WINDOW 1.441.00

ROT. 1441 LONG. 230°

3.2 JUN 961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

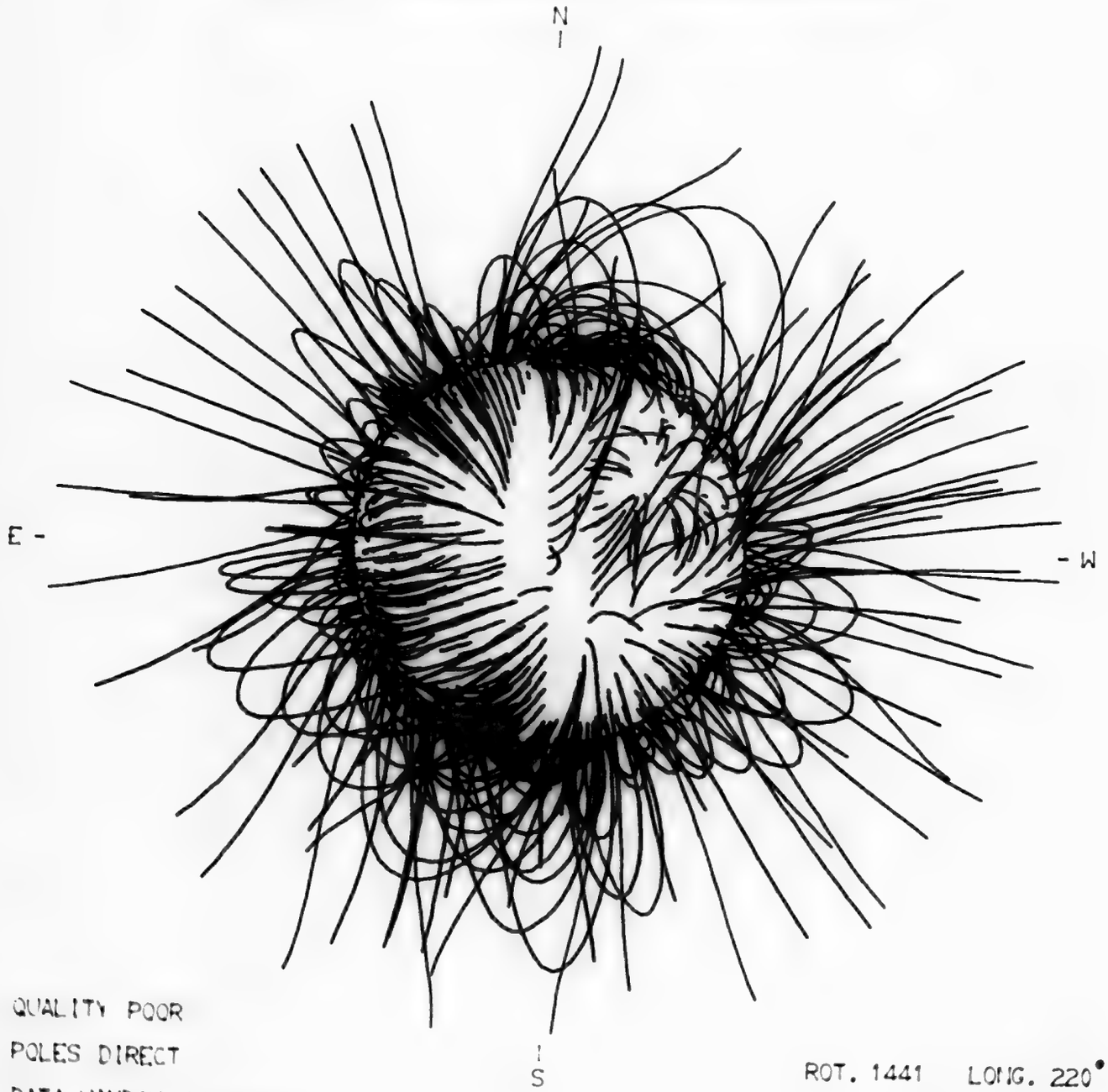
POLES DIRECT

DATA WINDOW 1.11.00

ROT. 1441 LONG. 230°

3.2 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

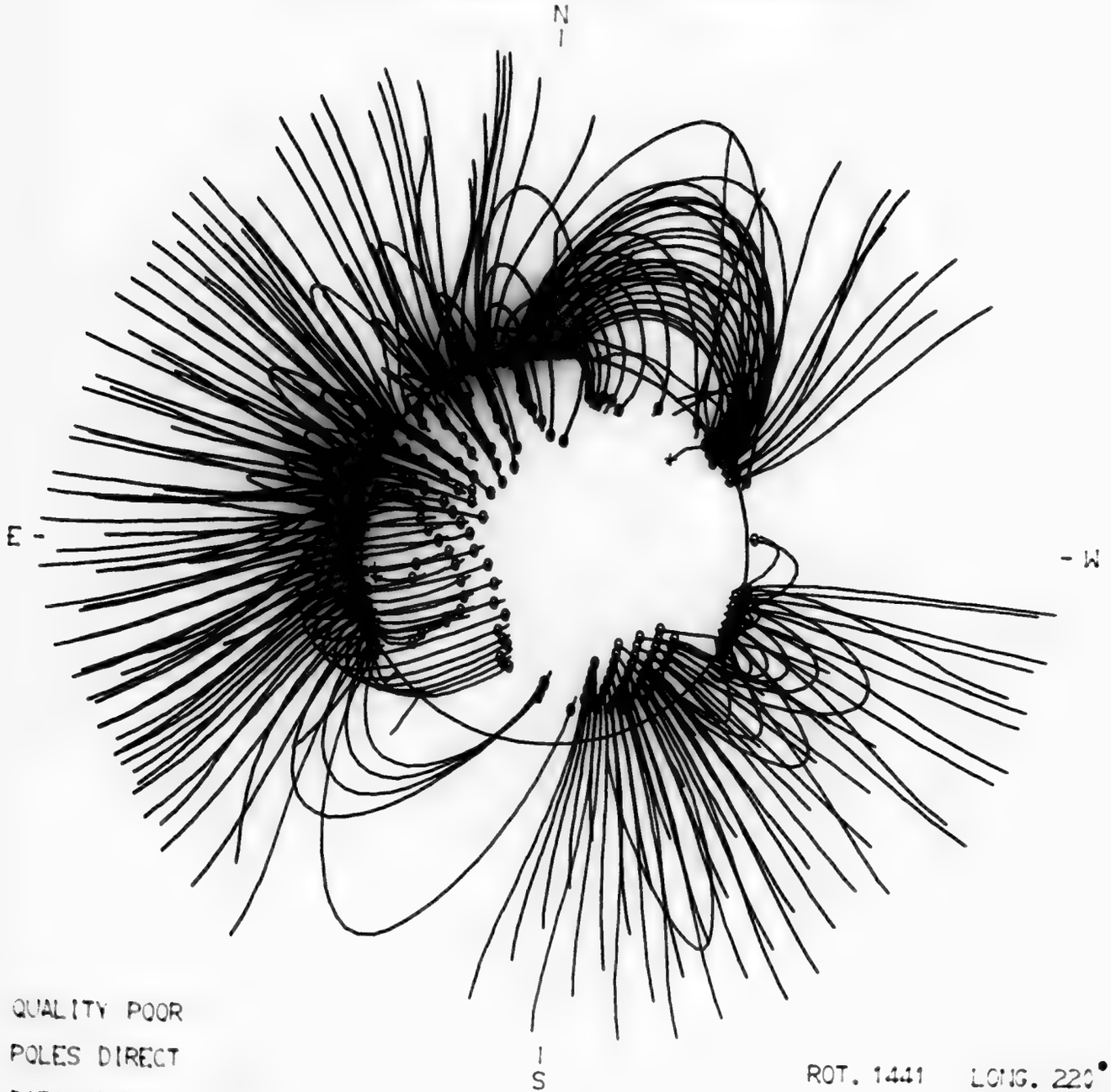
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 220°

4.0 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

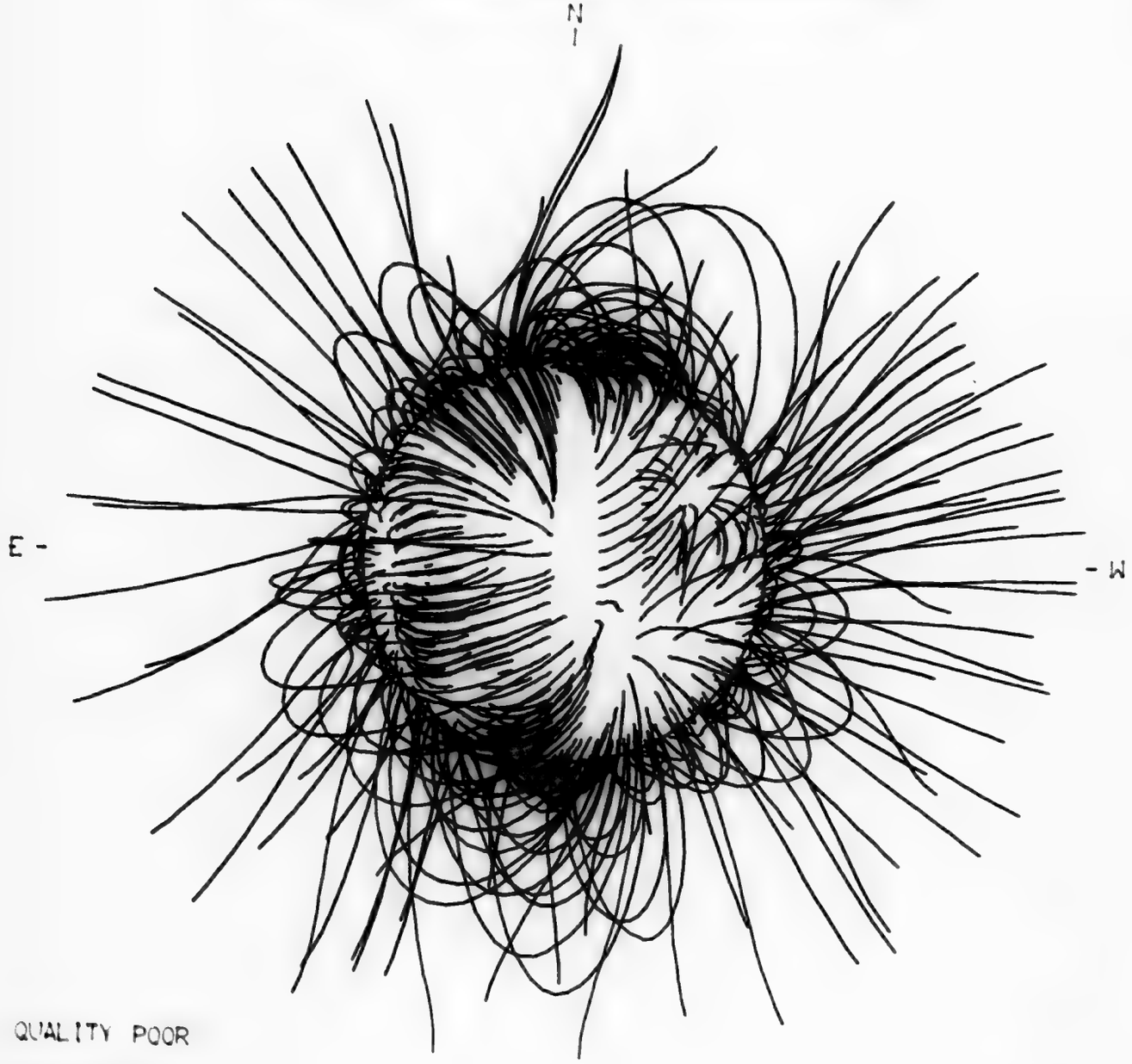
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 220°

4.0 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

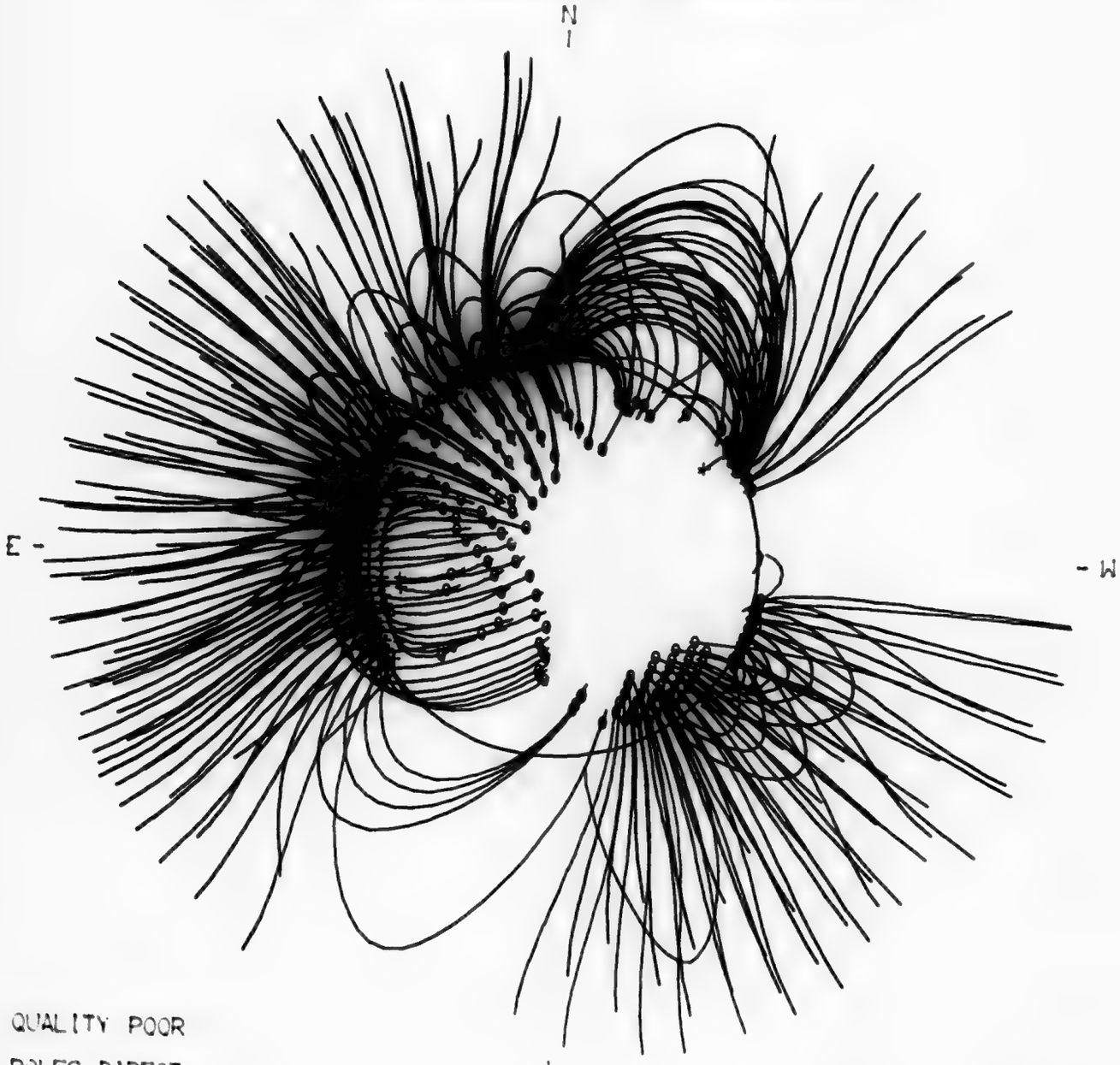
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 210°

4.7 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

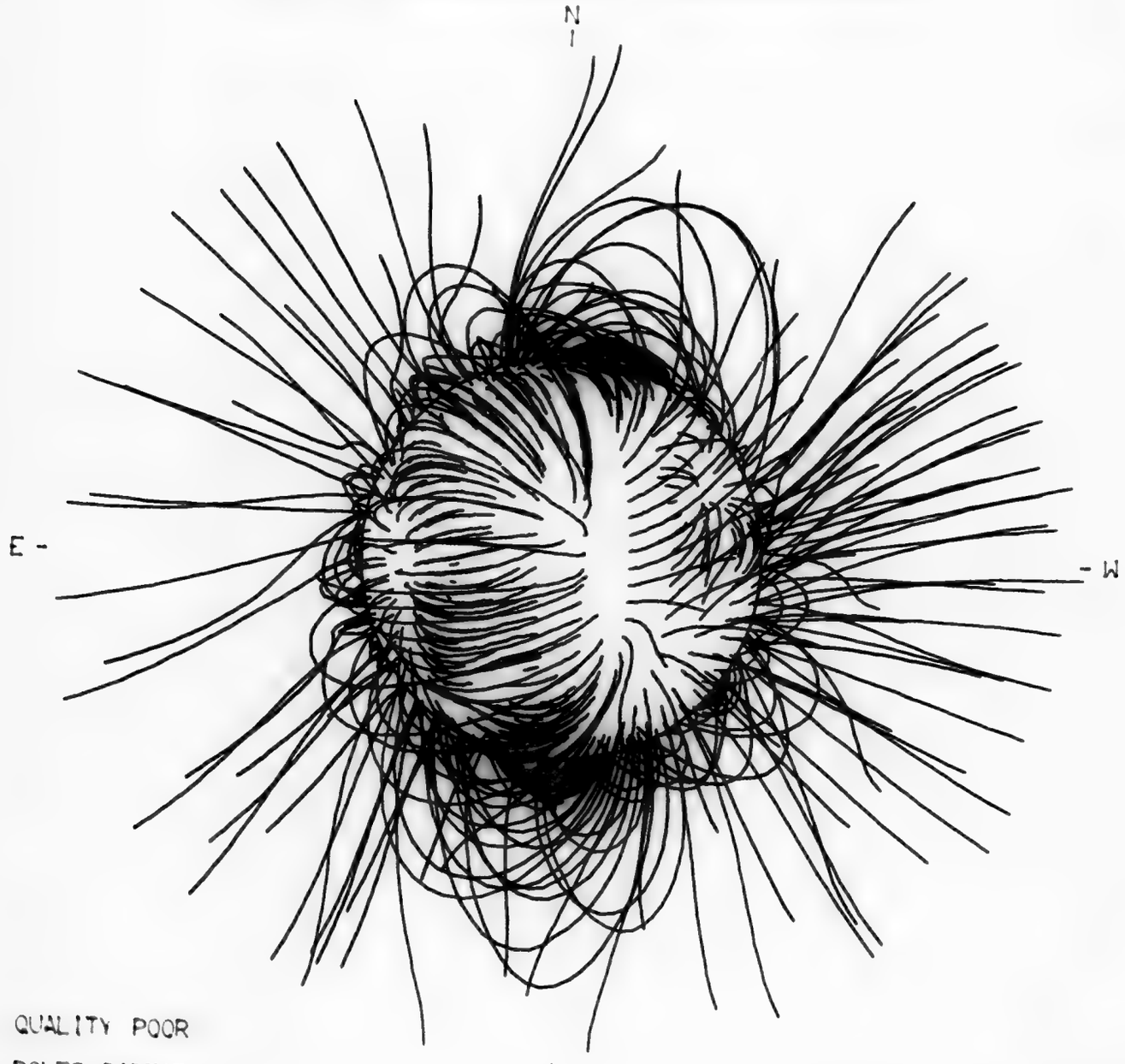
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 210°

4.7 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

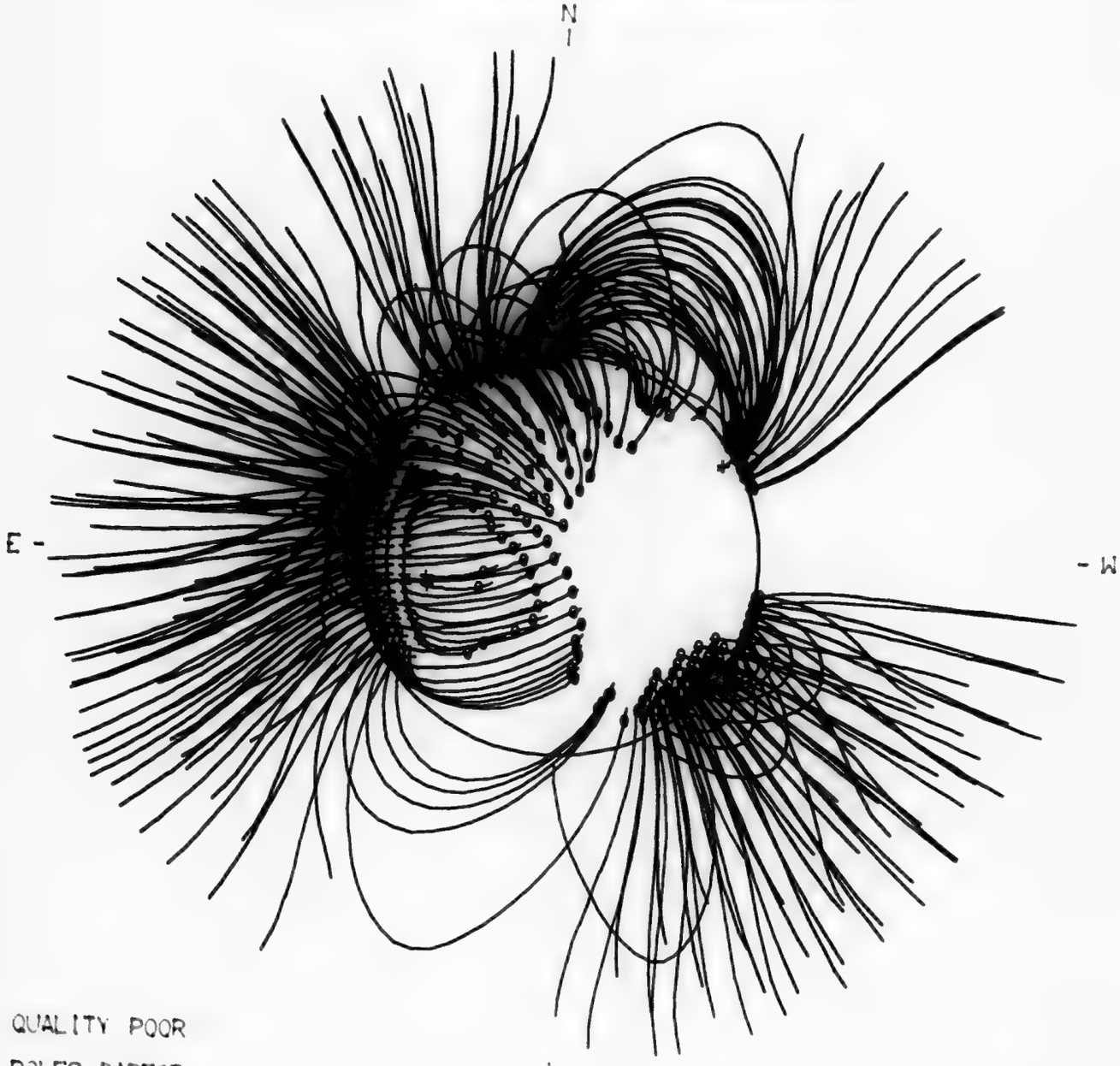
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 200°

5.5 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

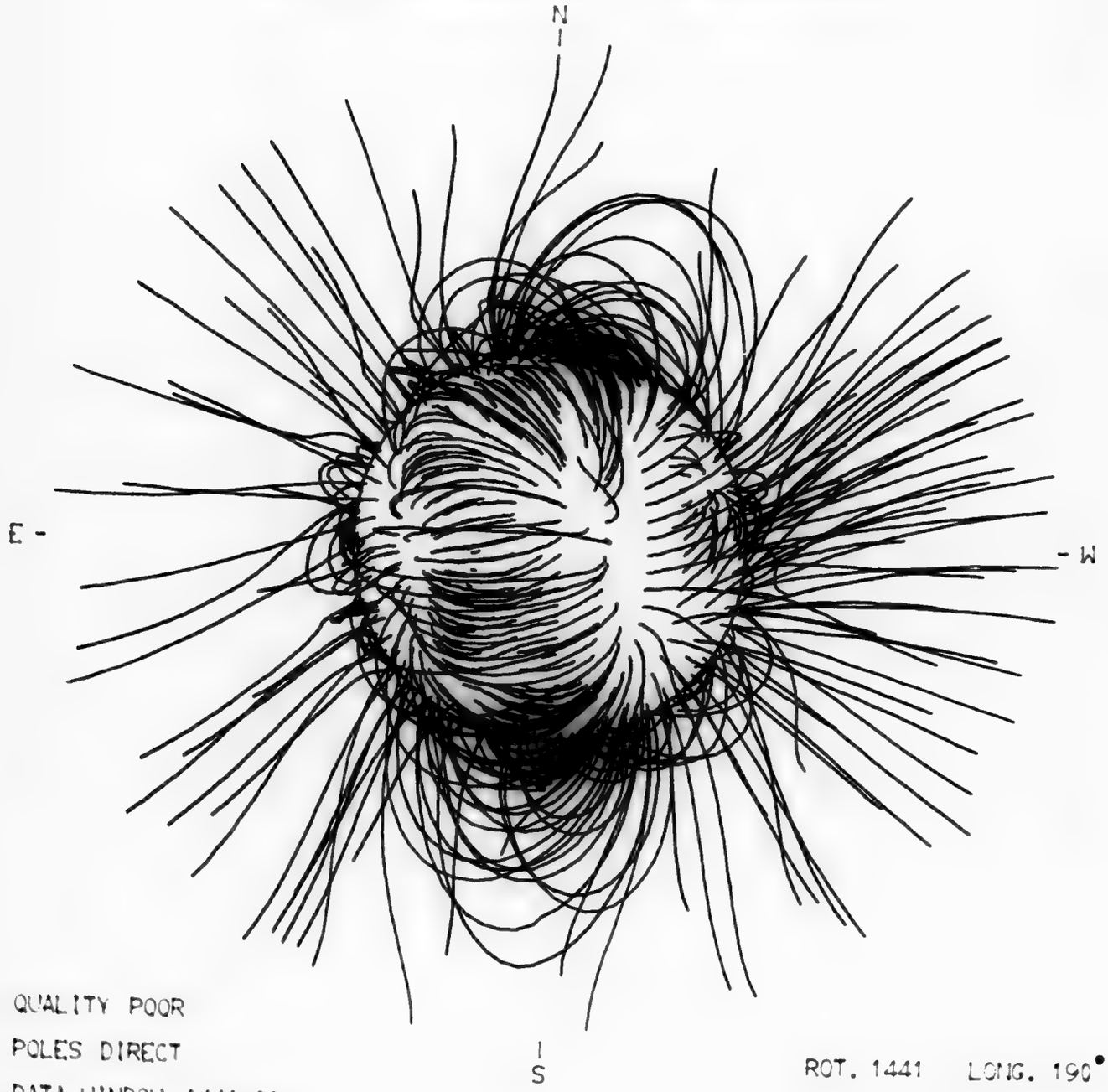
POLES DIRECT

DATA WINDOW 1.111.00

ROT. 1441 LONG. 200°

5.5 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

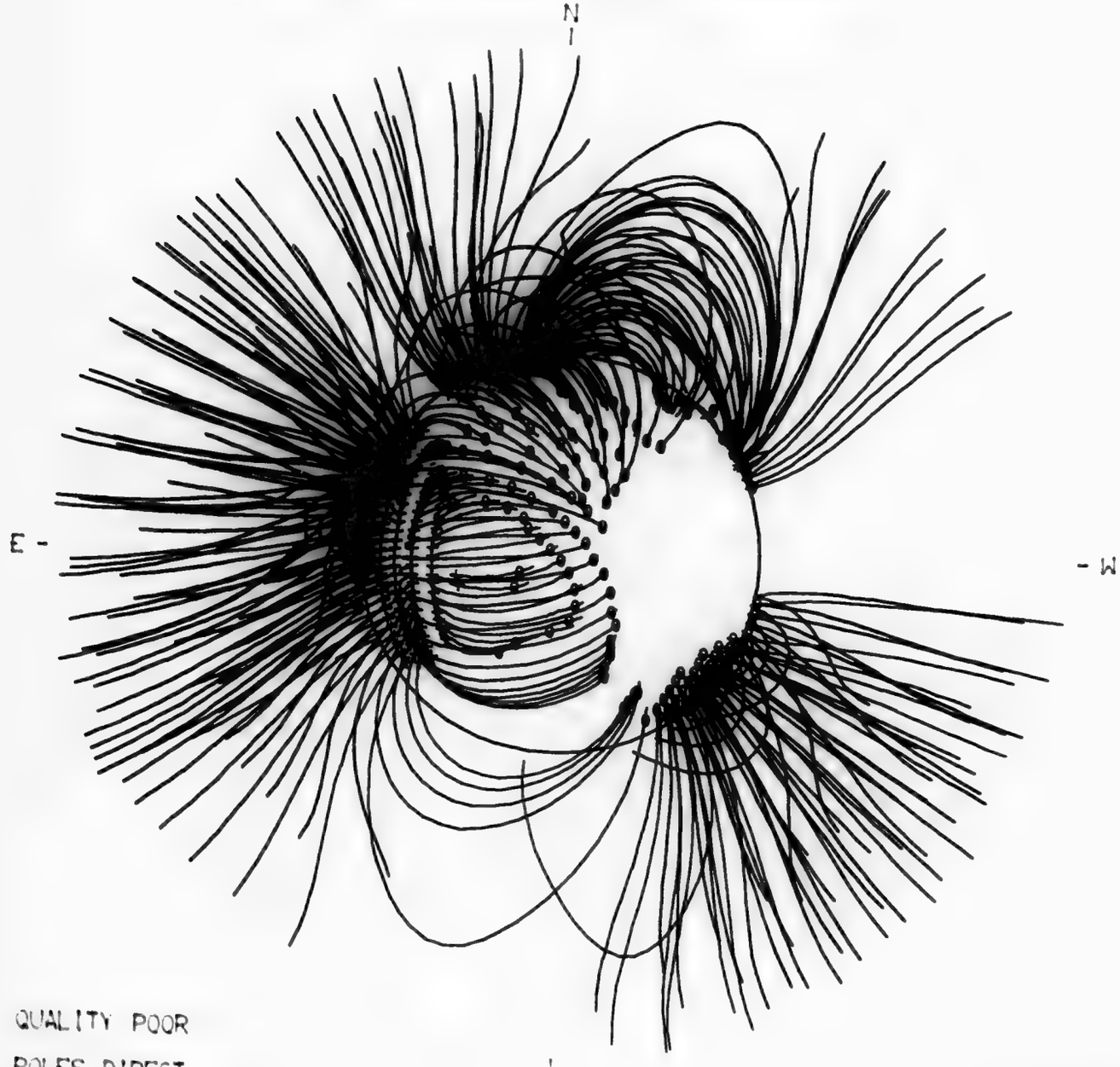
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 190°

6.2 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

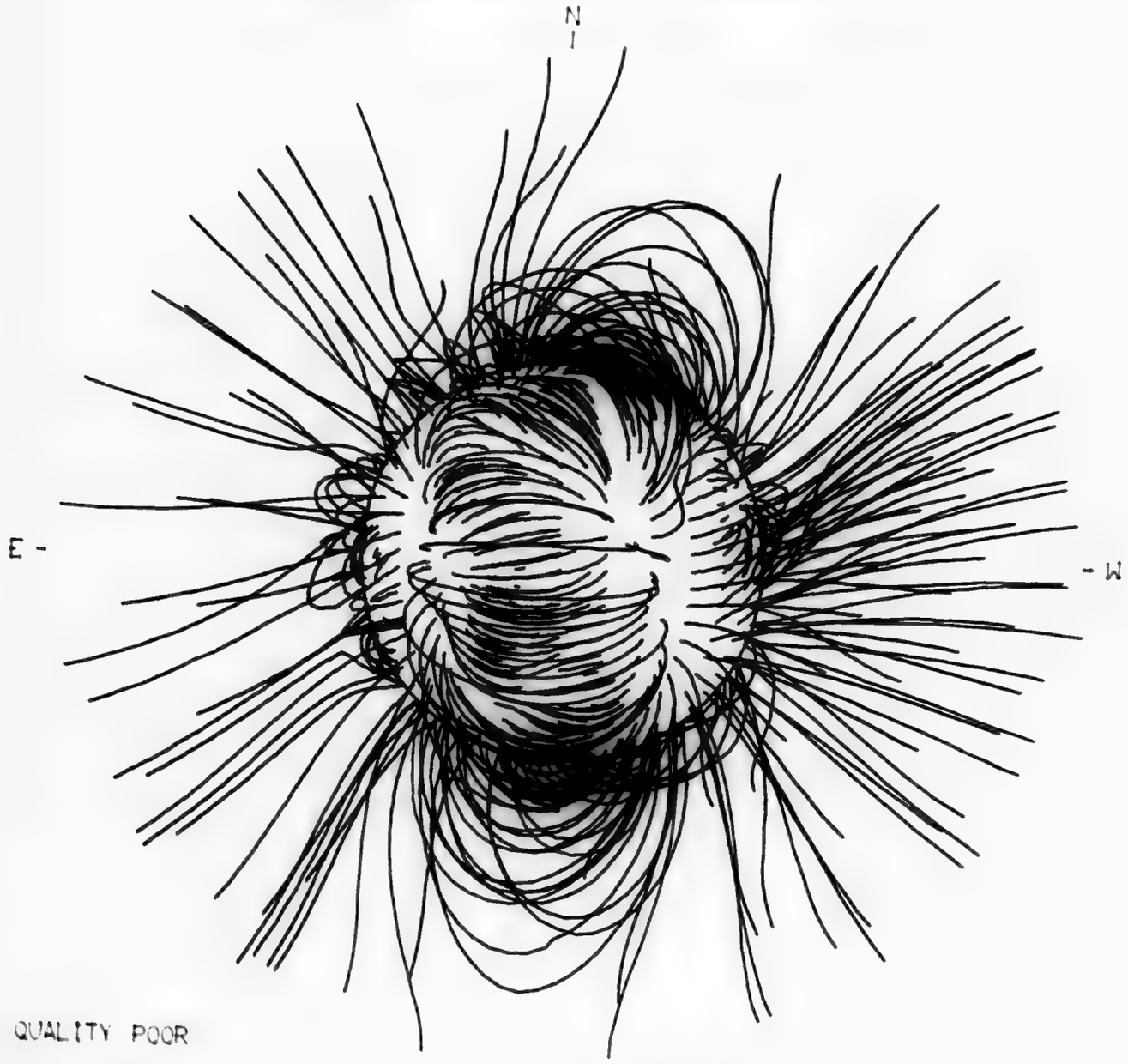
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 190°

6.2 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

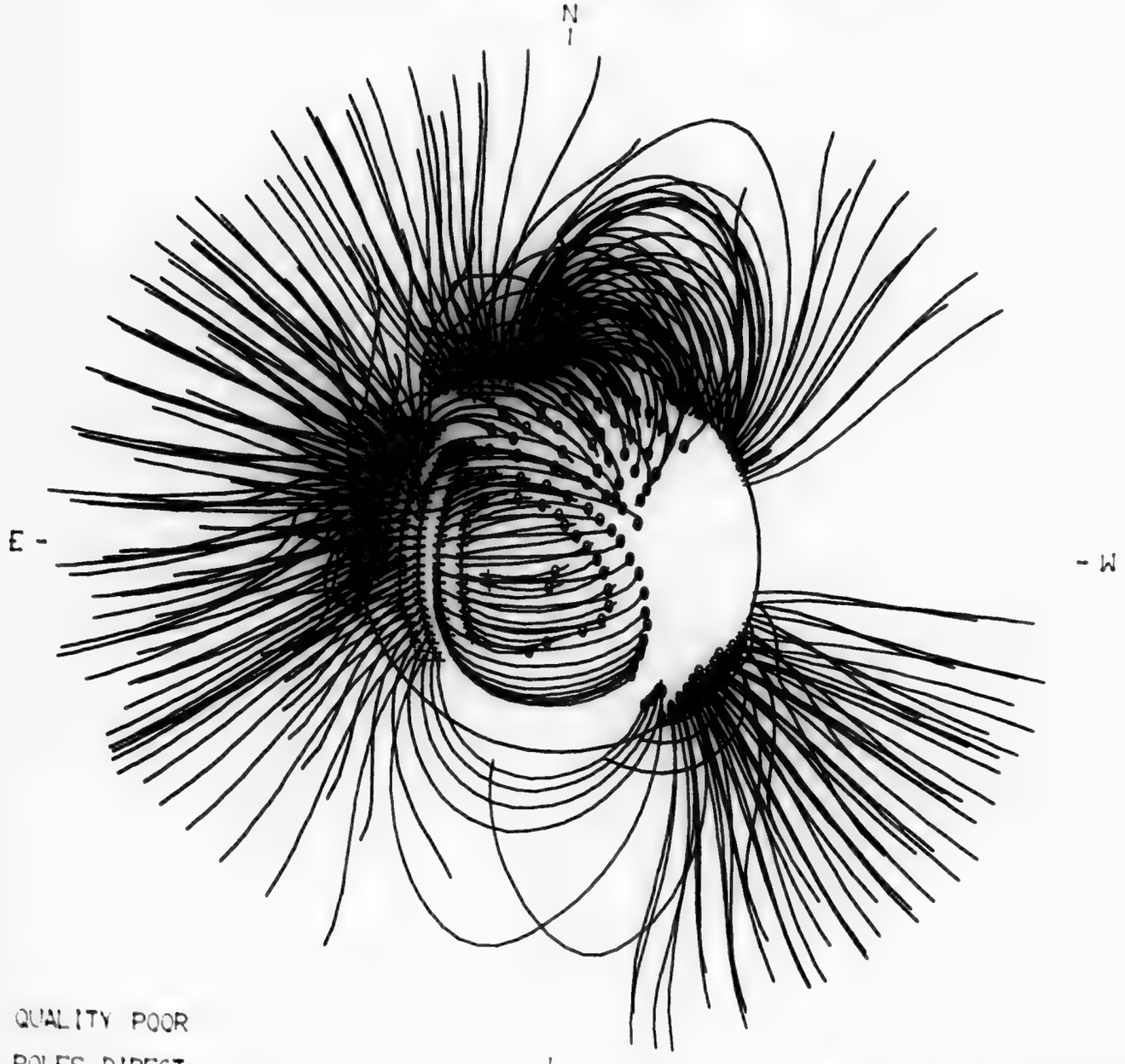
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 180°

7.0 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

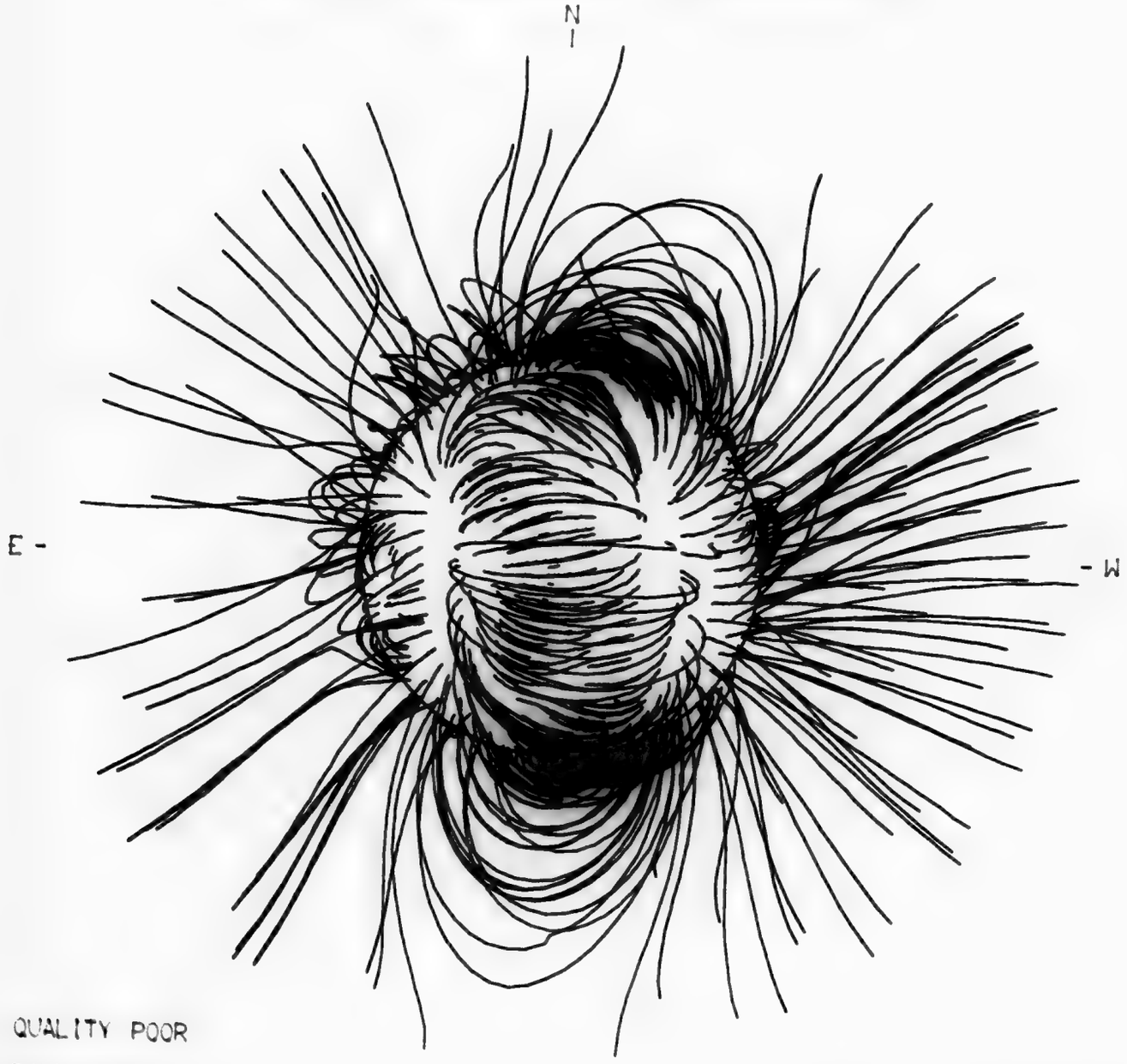
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 180°

7.0 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

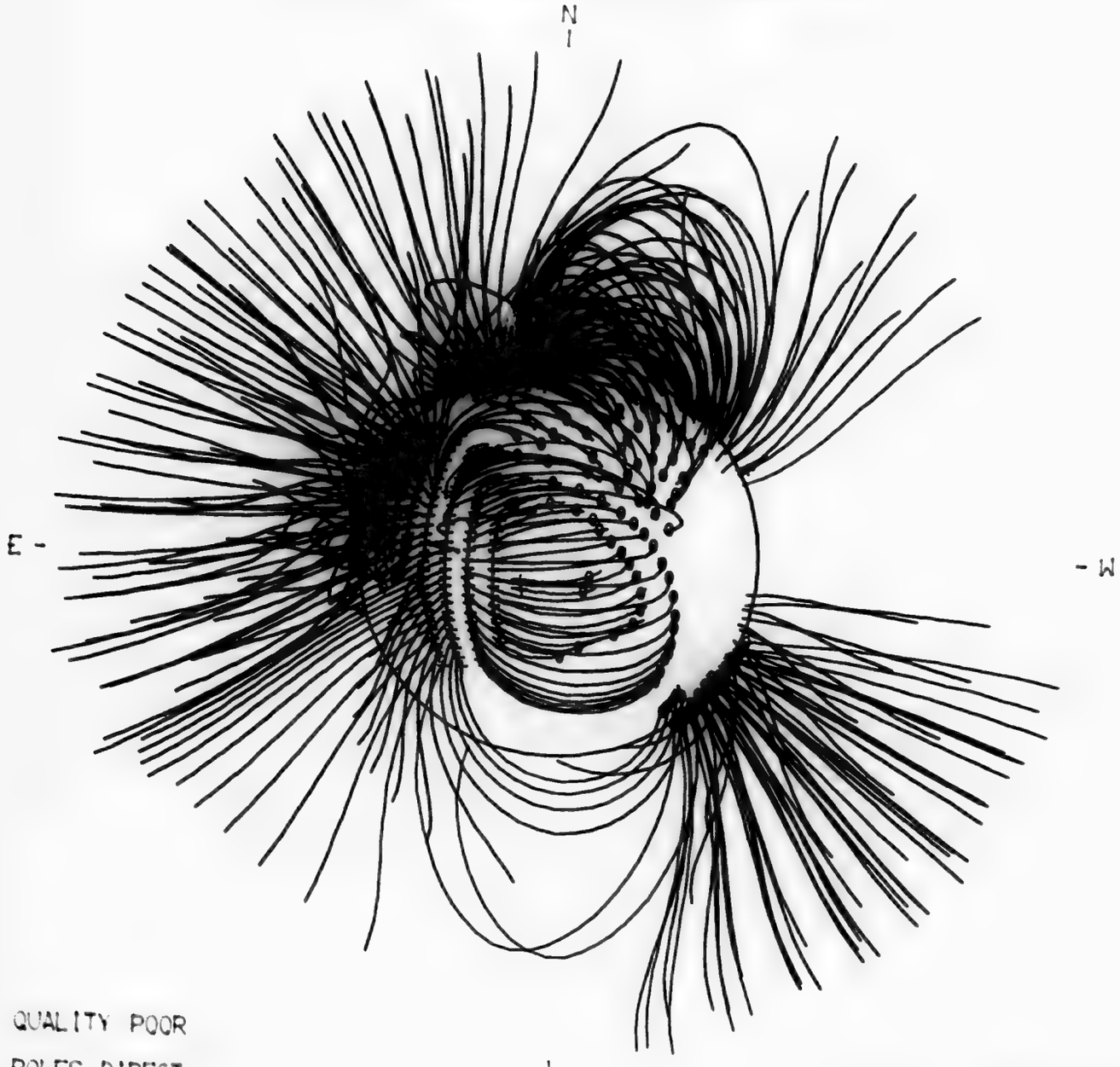
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 170°

7.8 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

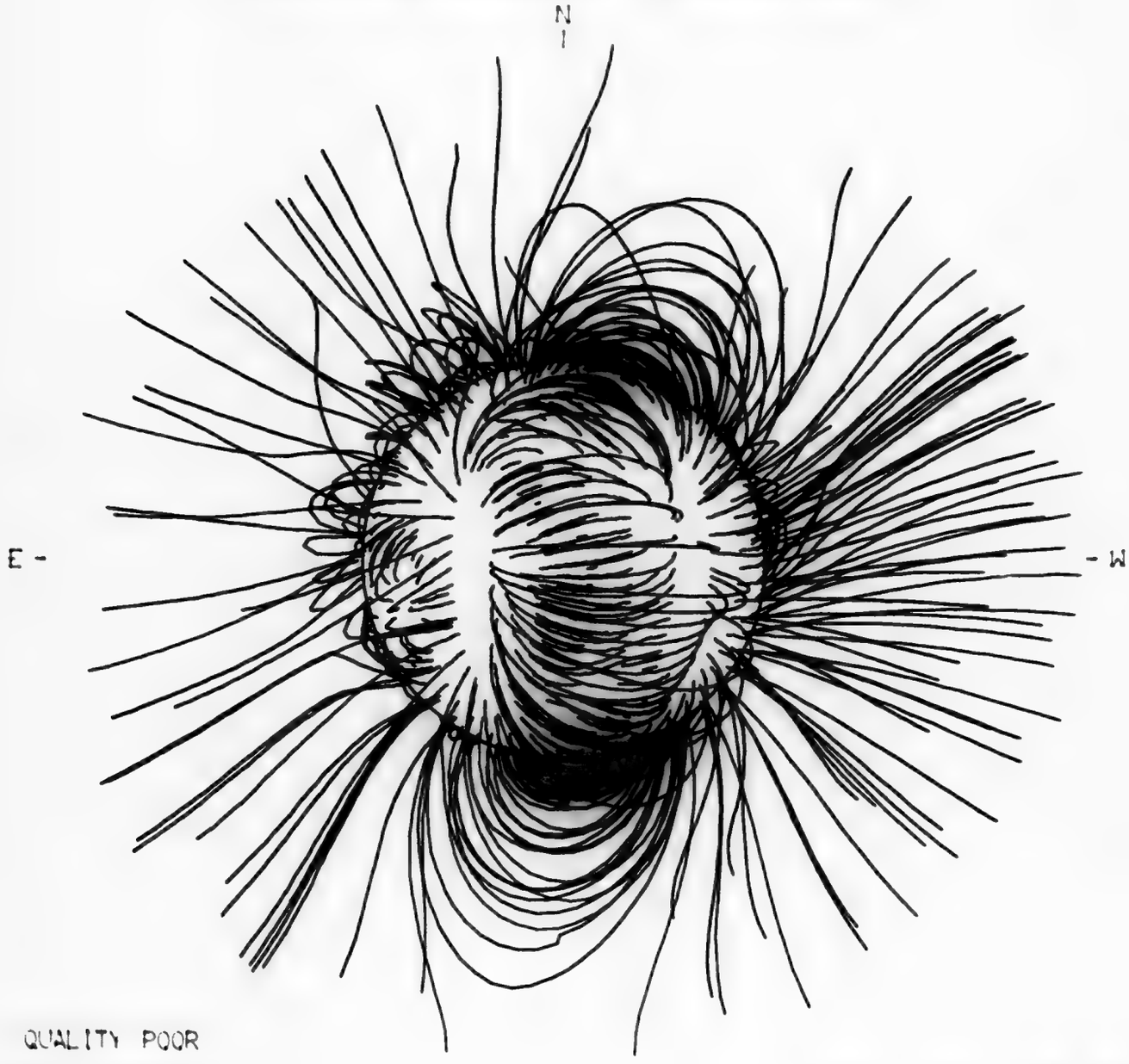
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 170°

7.8 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

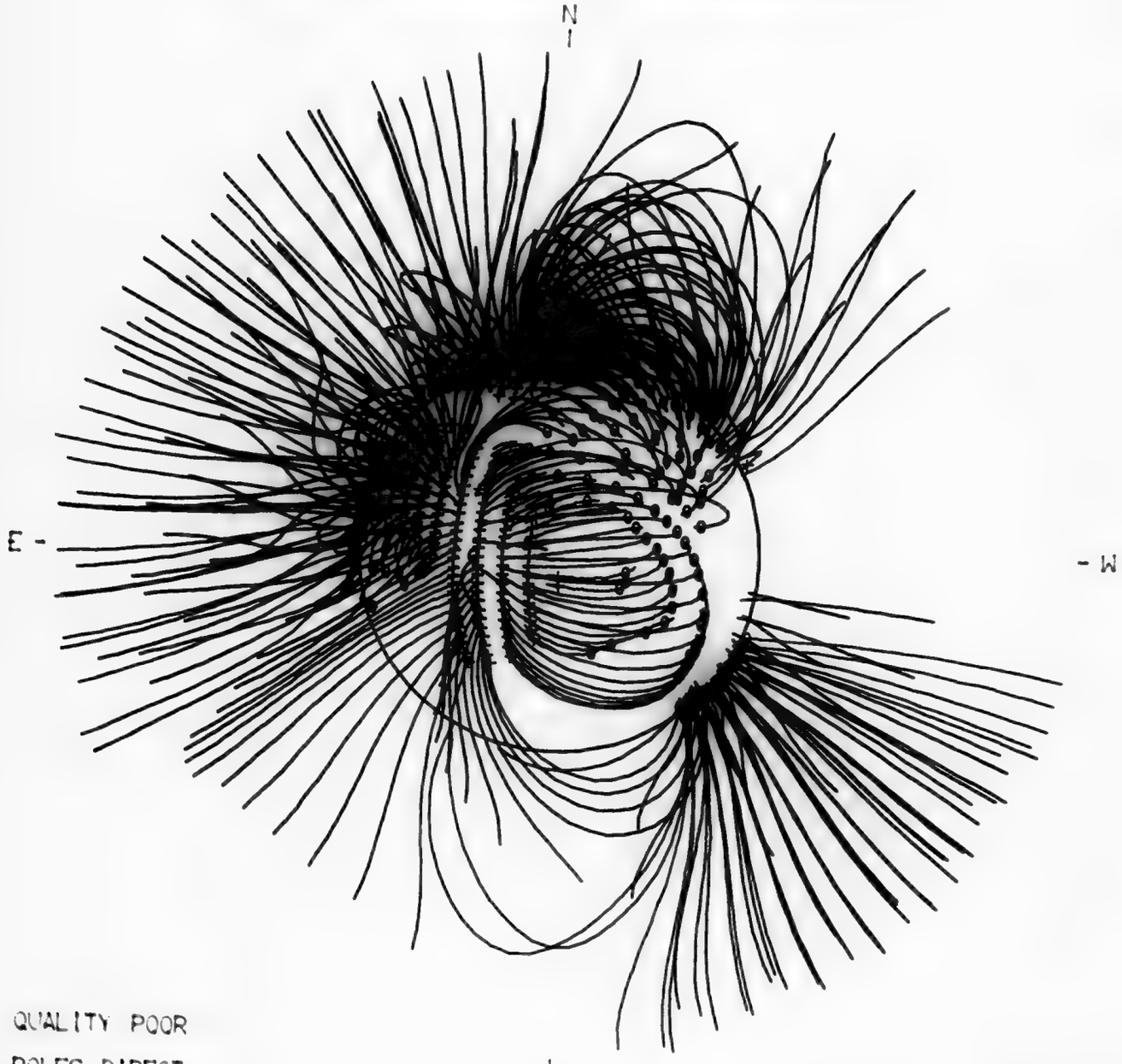
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 160°

8.5 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

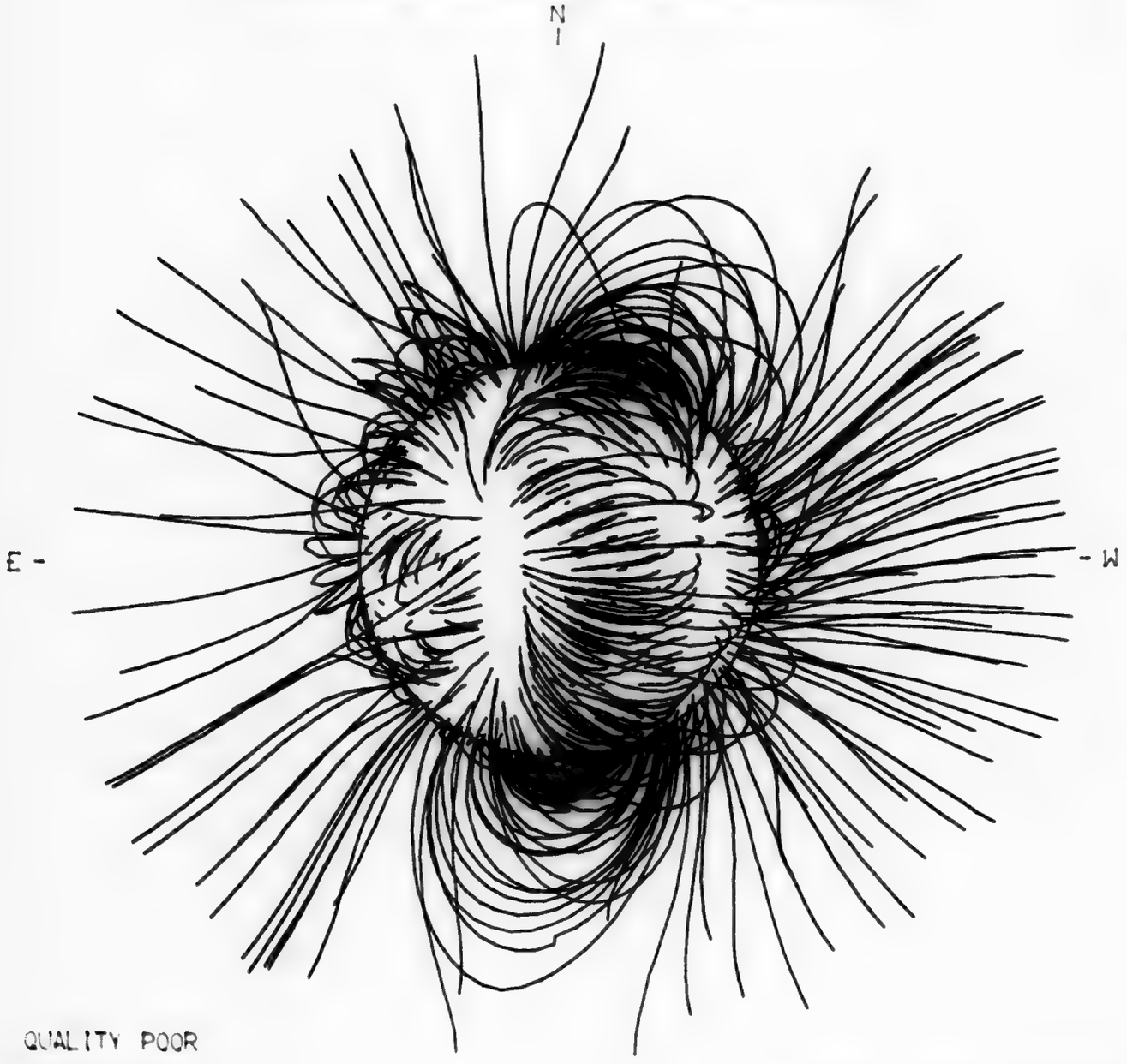
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 160°

8.5 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

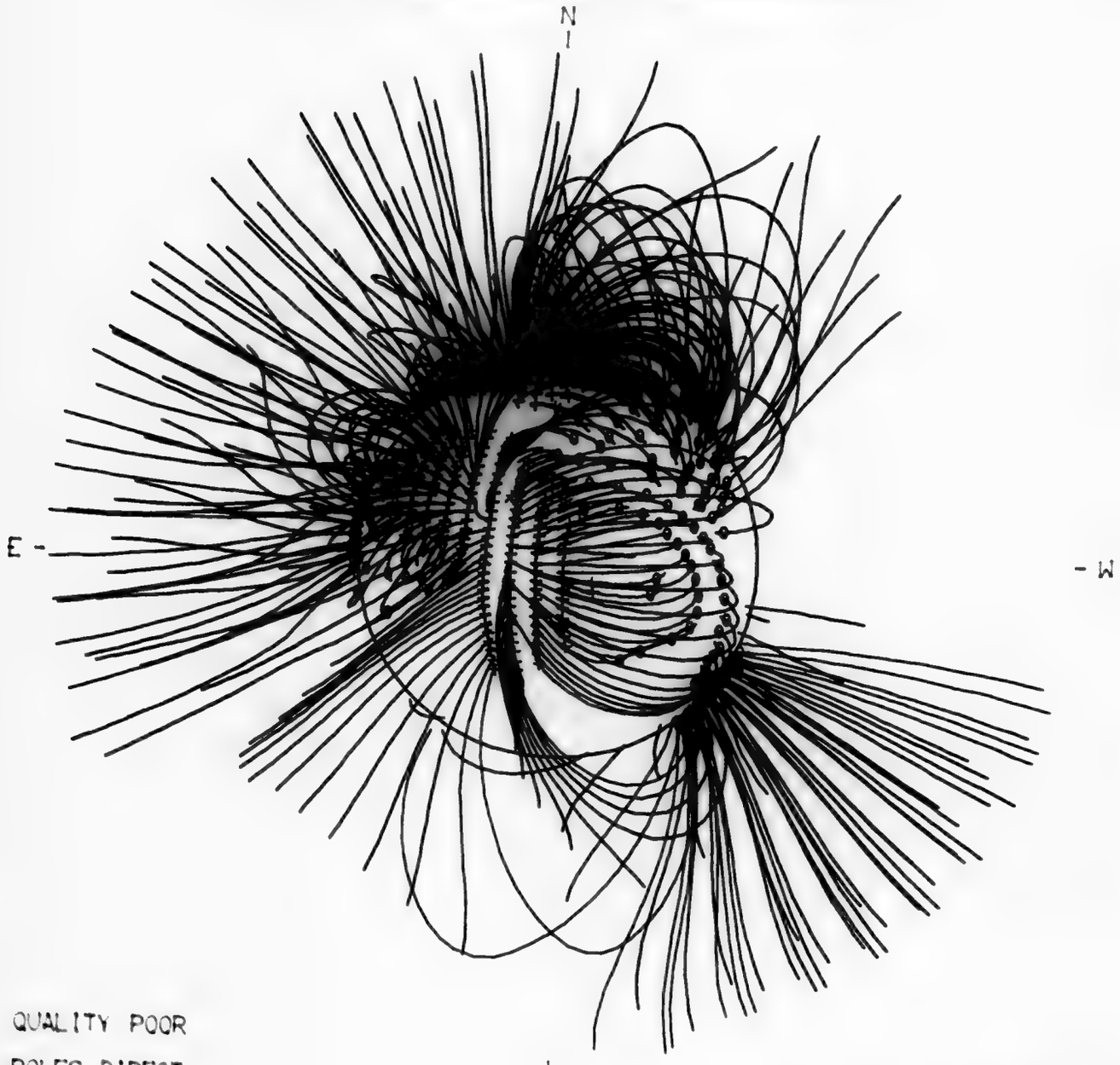
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 150°

9.3 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

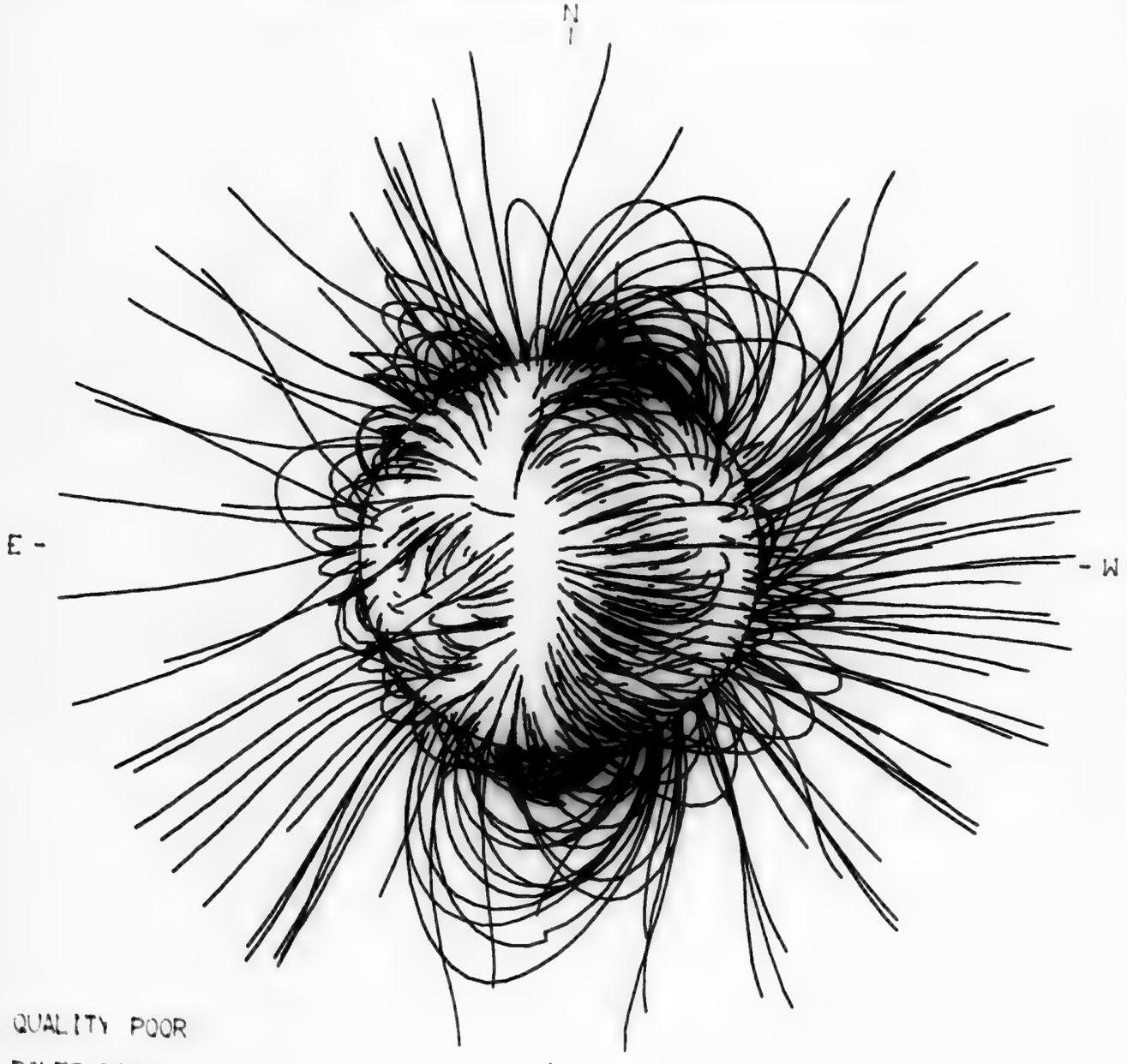
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 150°

9.3 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

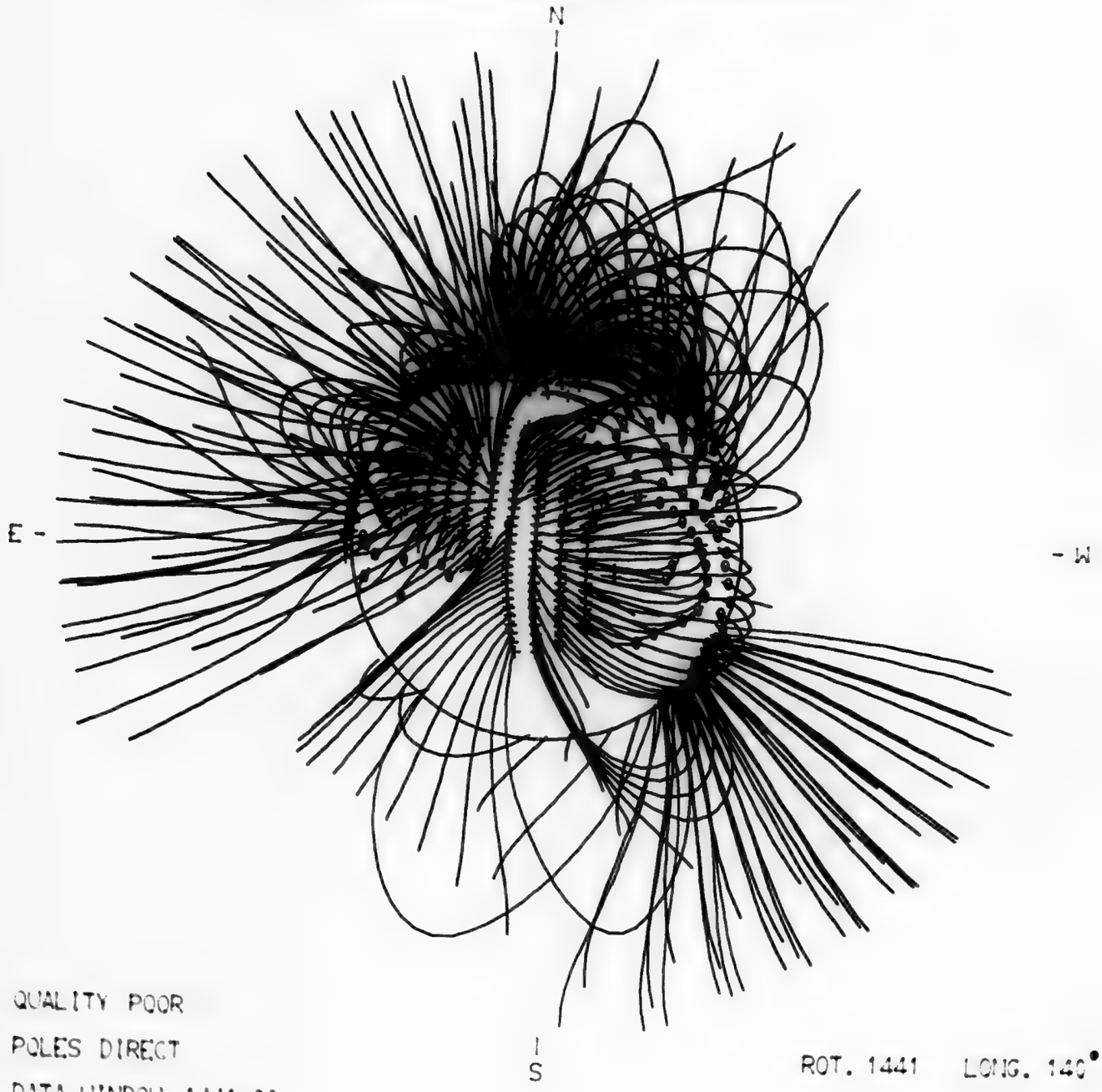
POLES DIRECT

DATA WINDOW 1.1.1.1.00

ROT. 1441 LONG. 140°

10.0 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

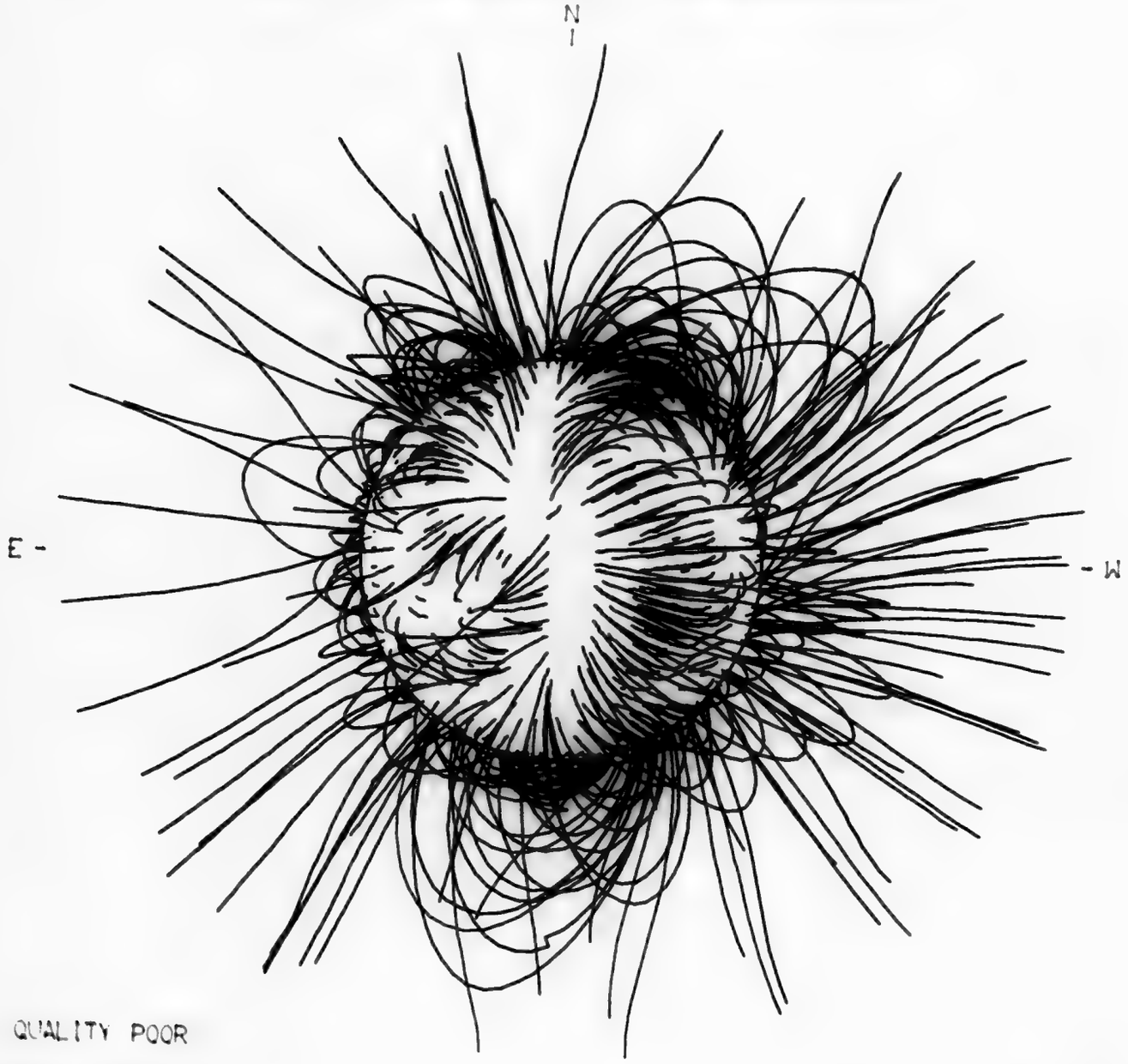
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 140°

10.0 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

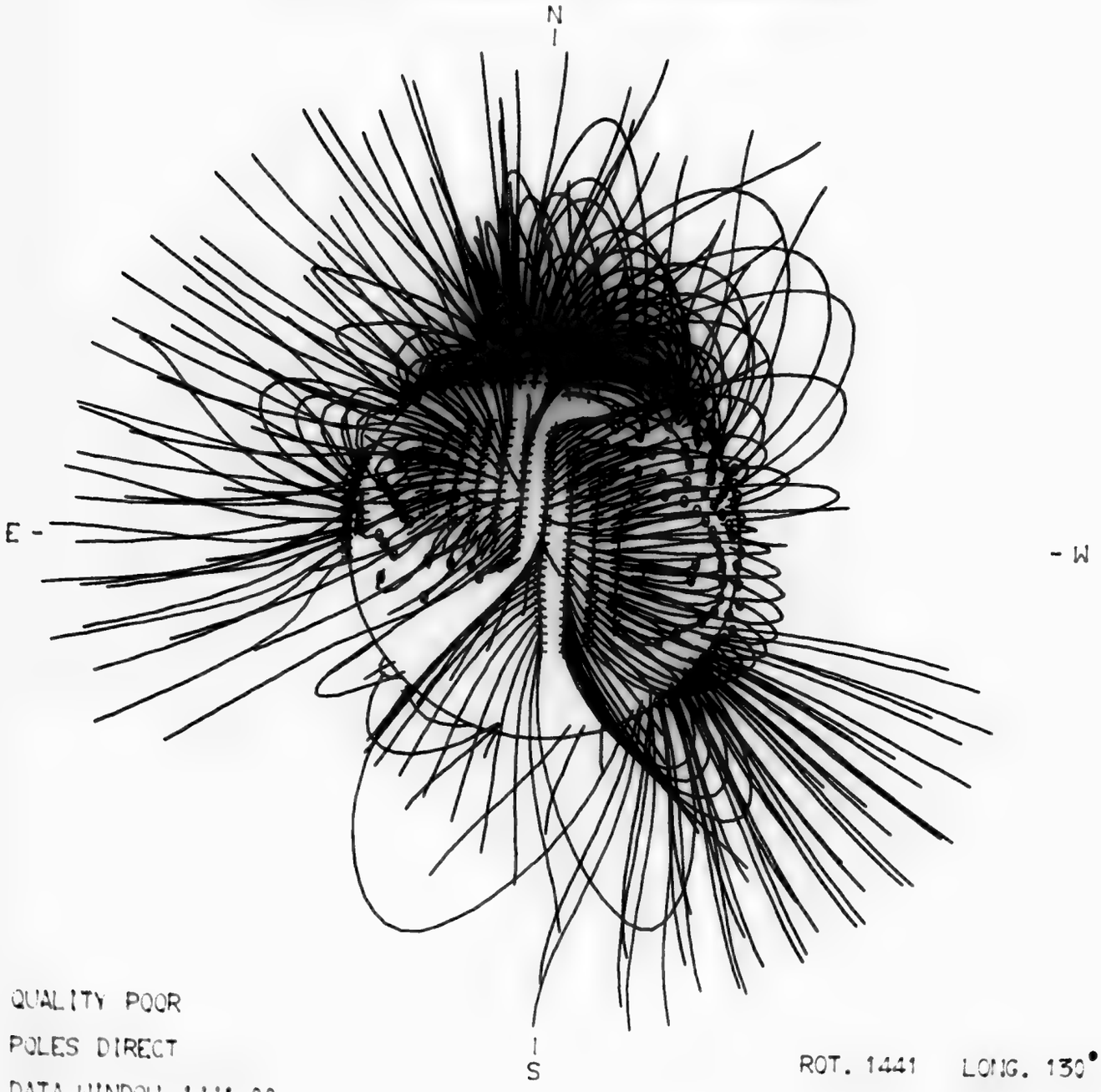
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 130°

10.8 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

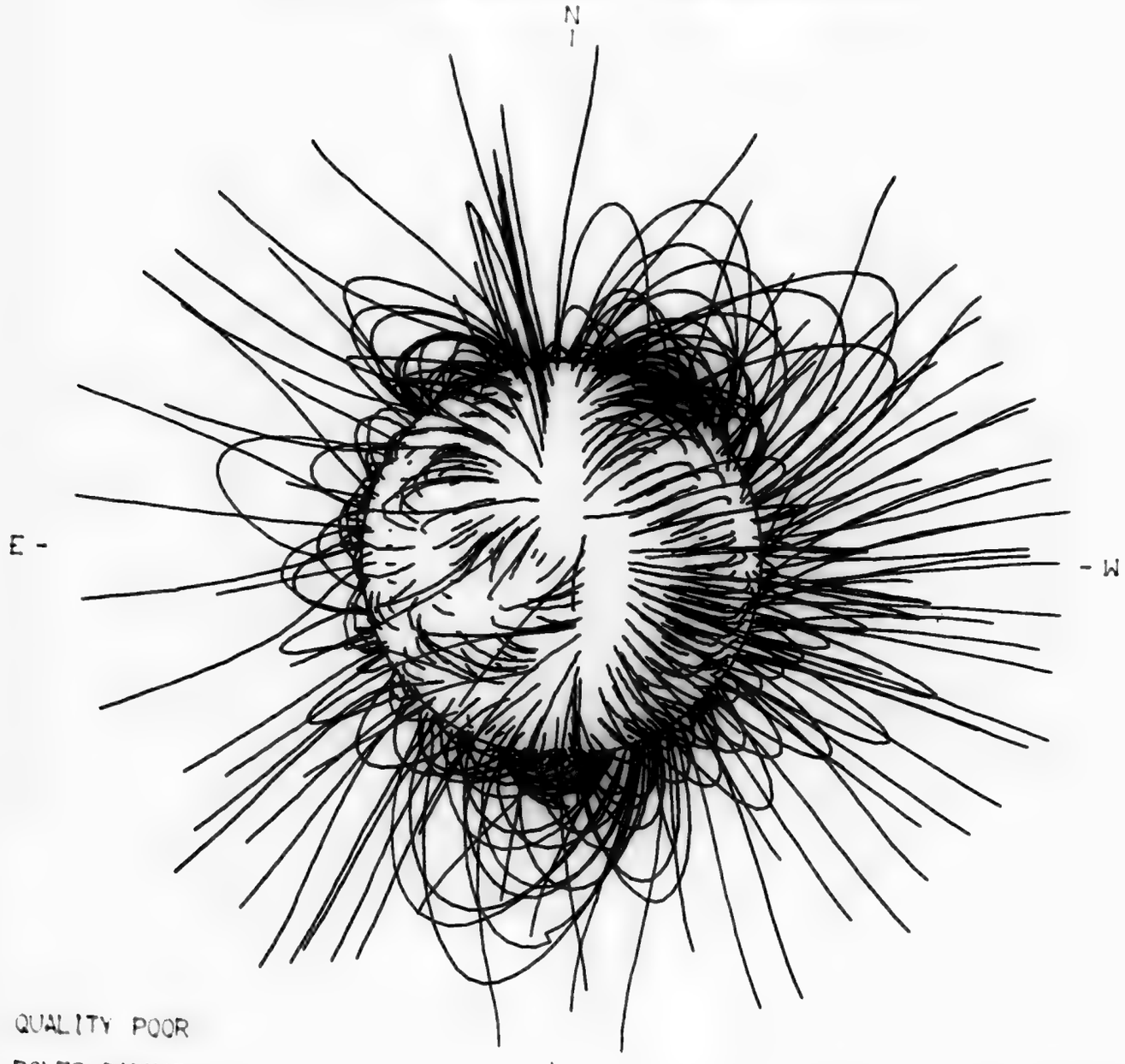
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 130°

10.8 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

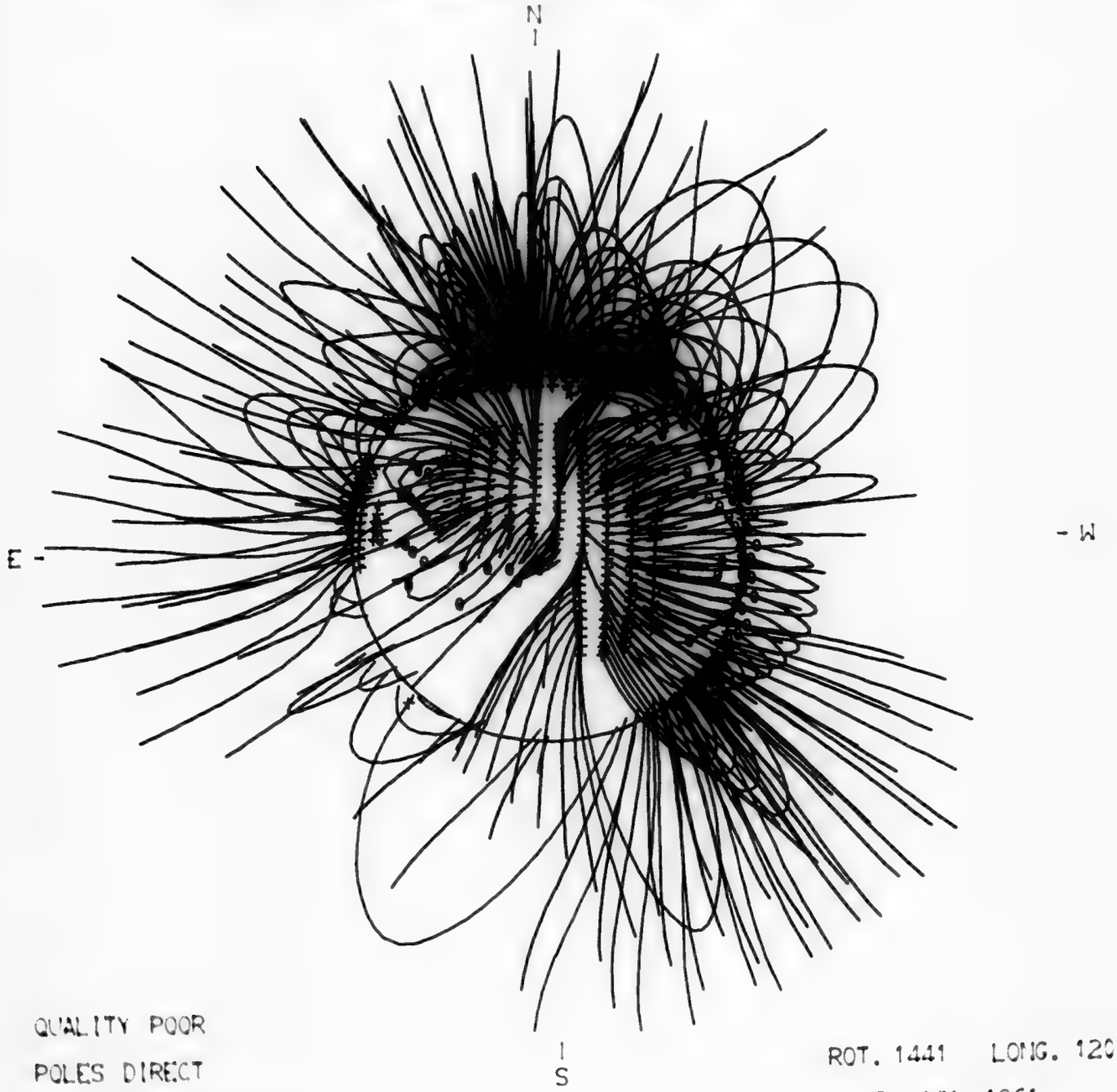
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 120°

11.5 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

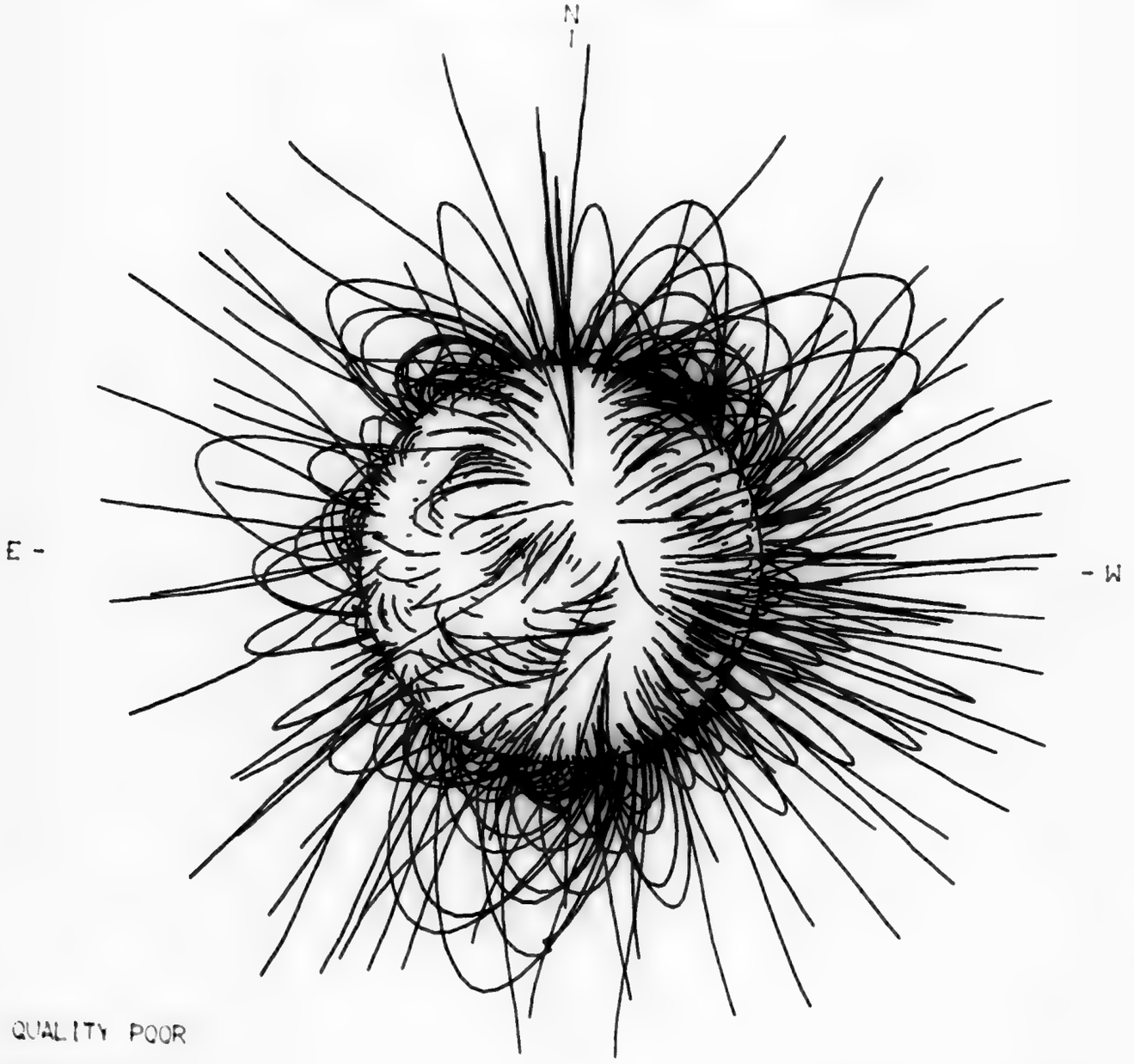
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 120°

11.5 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

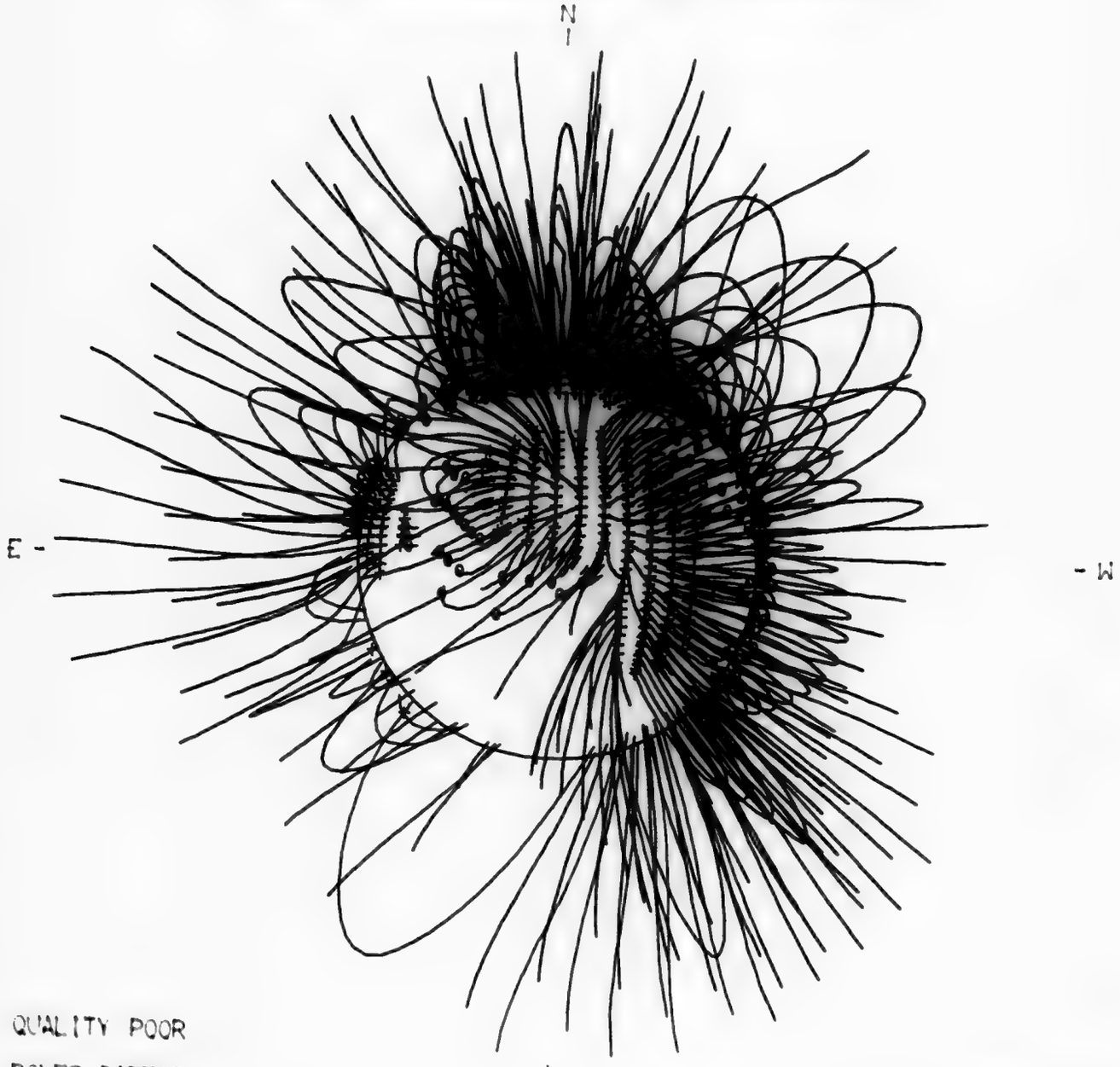
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 110°

12.3 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

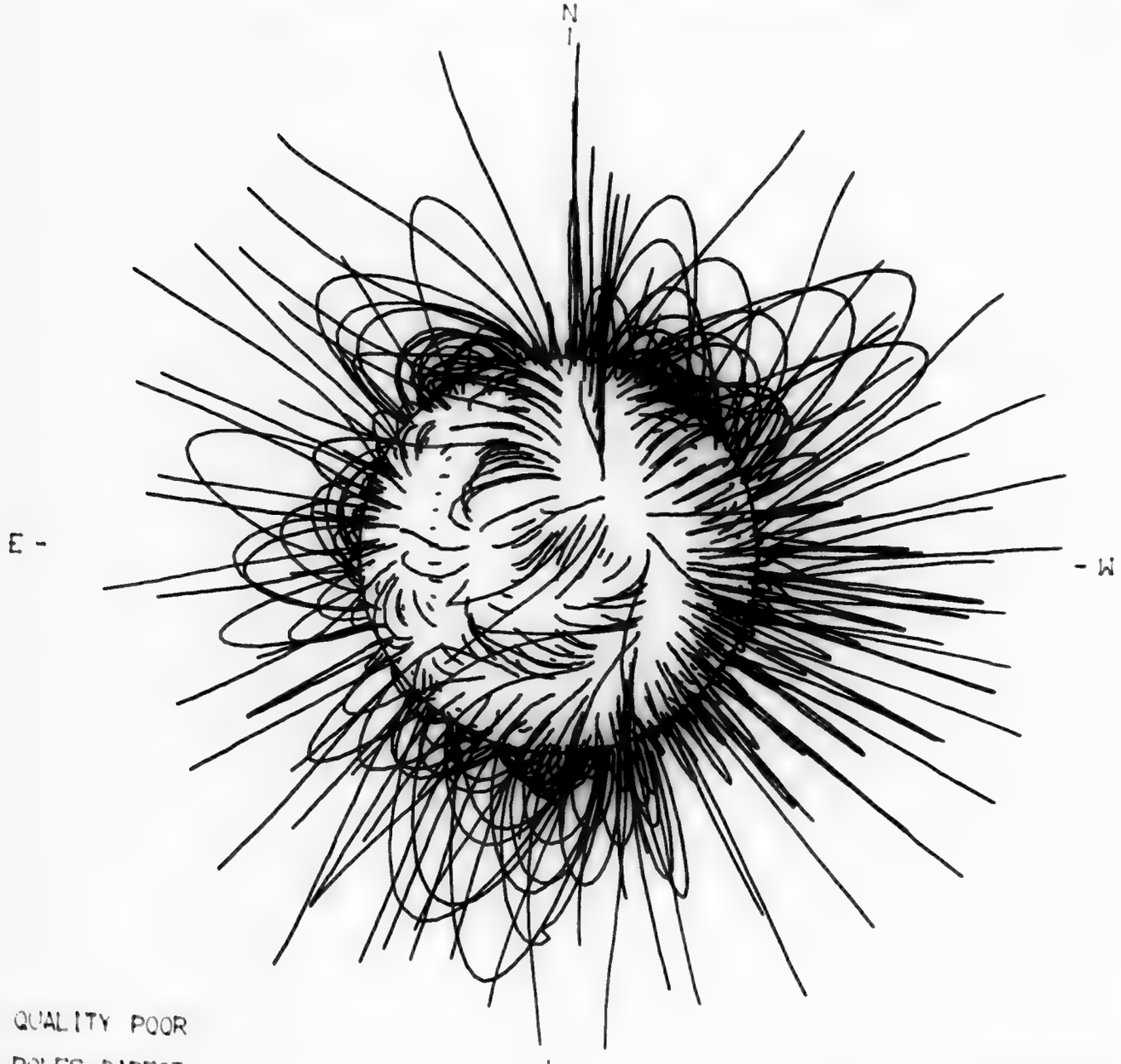
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 110°

12.3 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

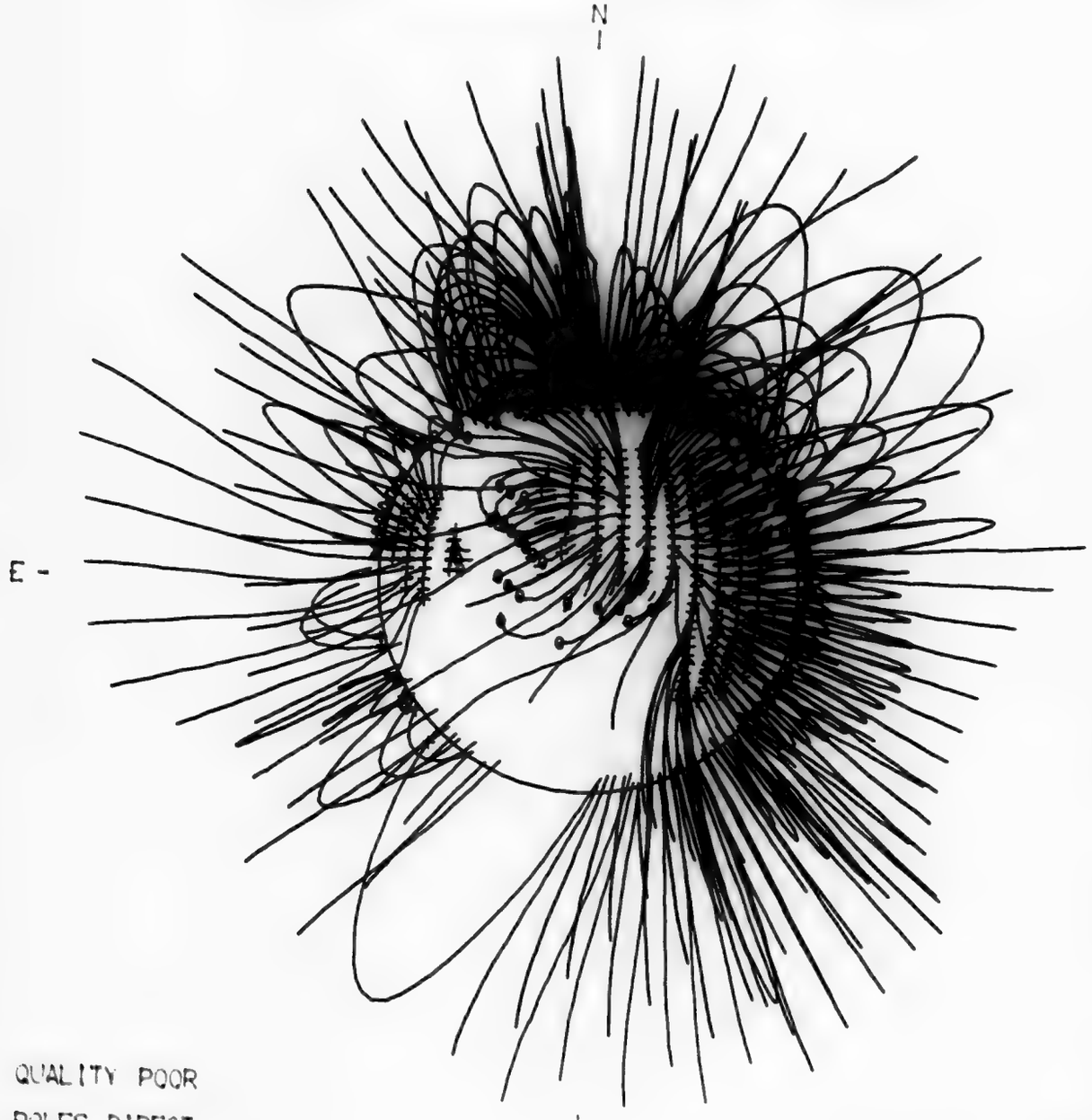
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 100°

13.1 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

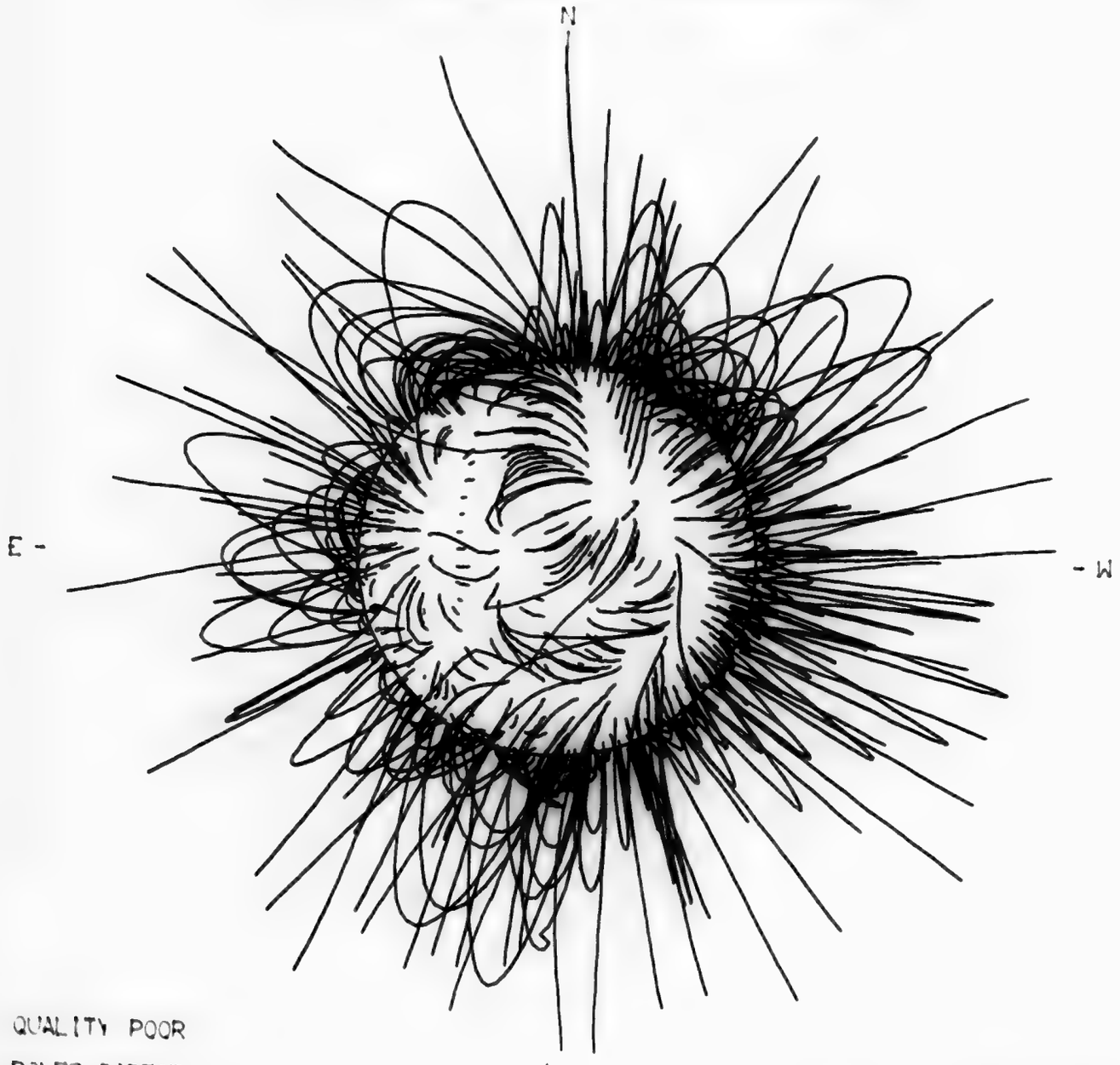
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 100°

13.1 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

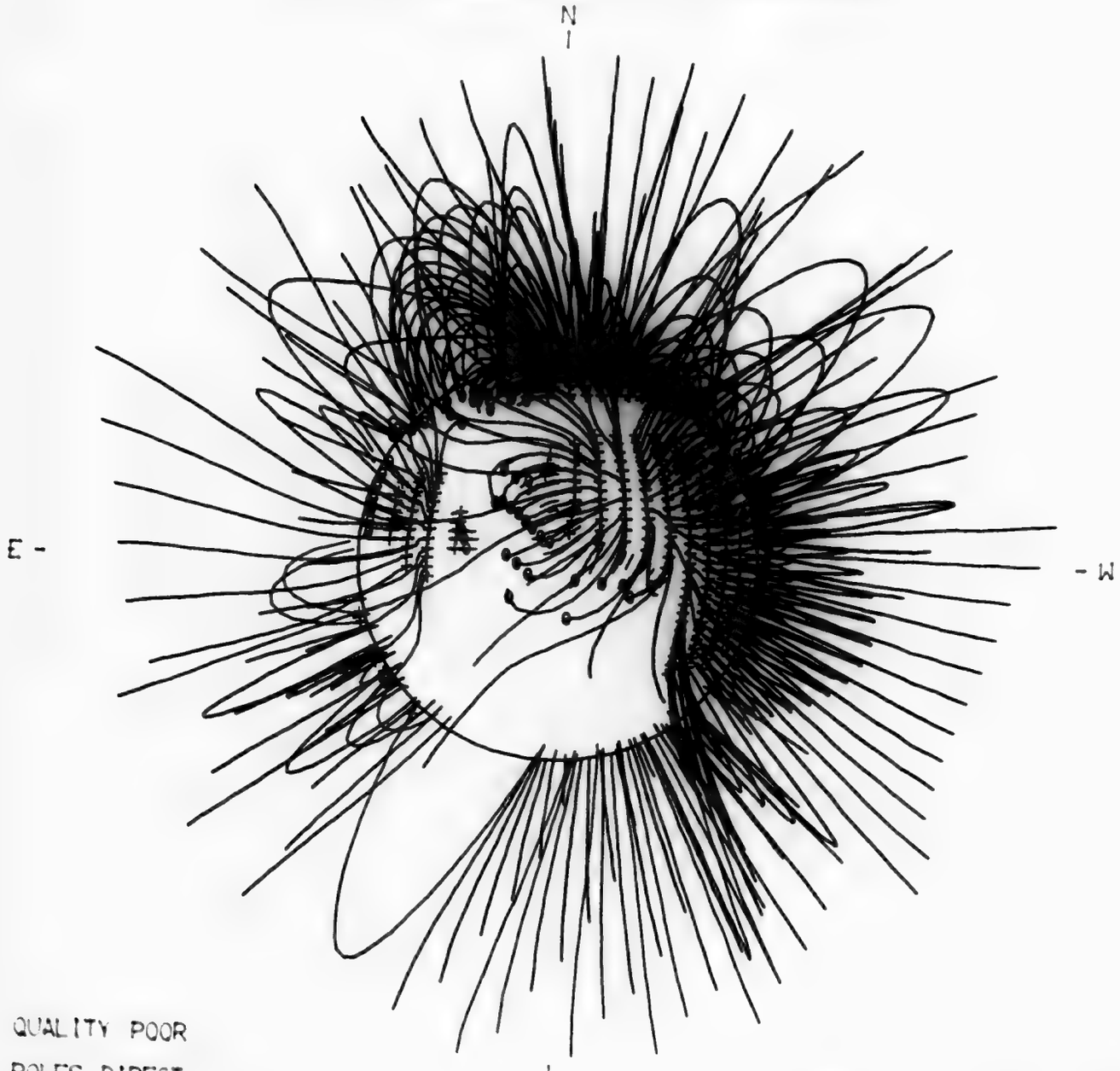
POLES DIRECT

DATA WINDOW 1.11.00

ROT. 1441 LONG. 90°

13.8 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

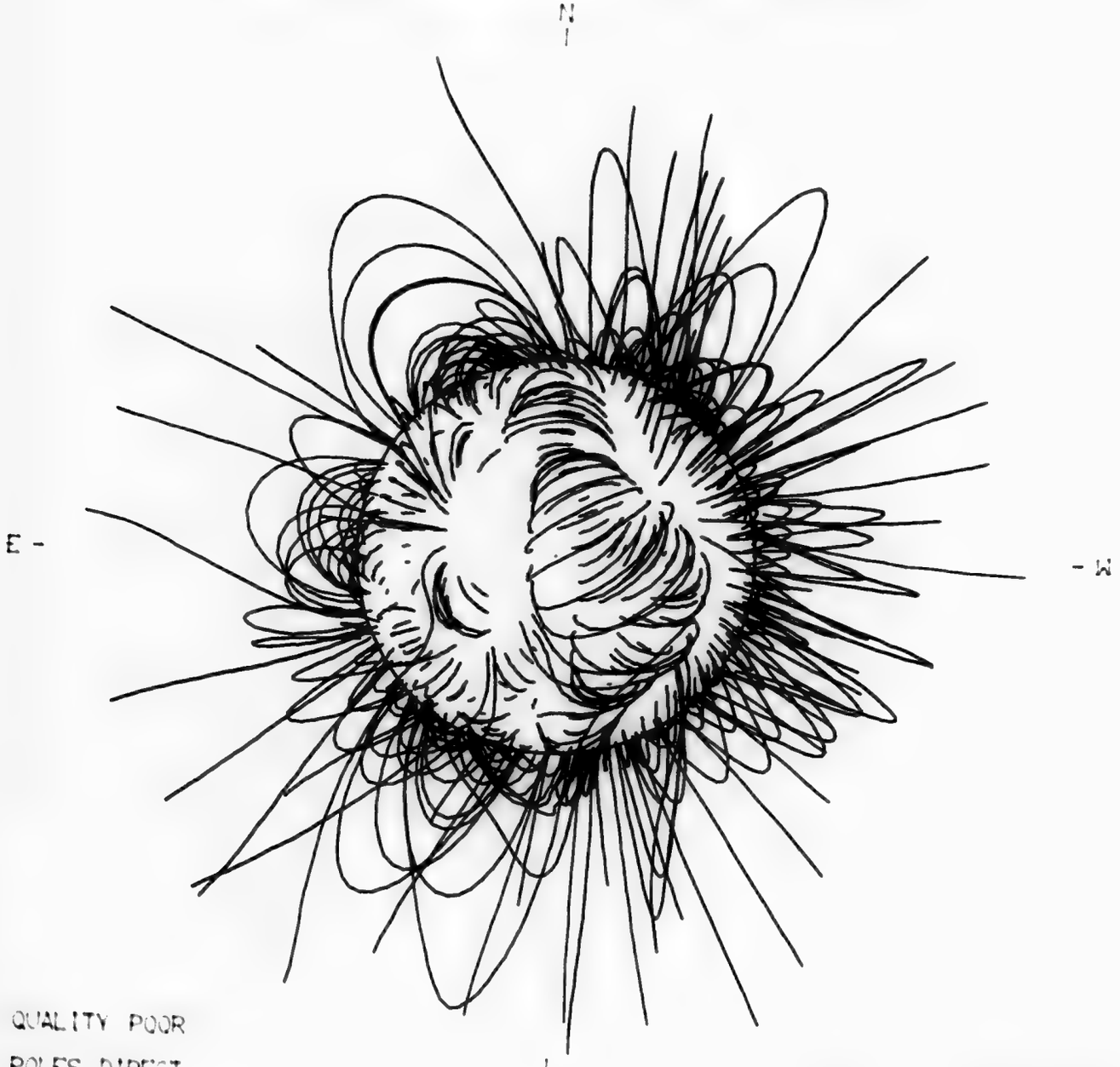
POLES DIRECT

DATA WINDOW 1441.00

ROT. 1441 LONG. 90°

13.8 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

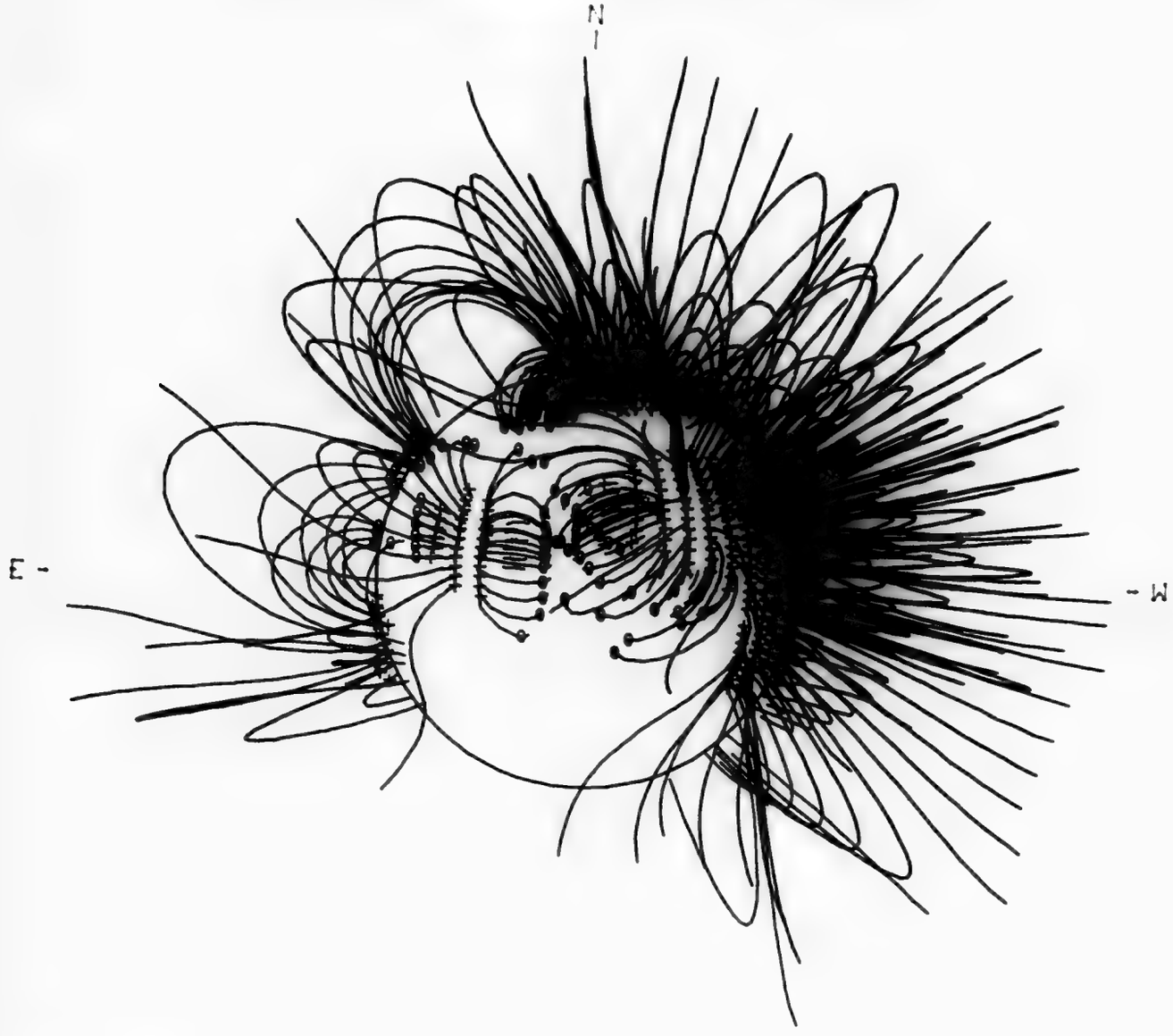
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1441 LONG. 80°

14.5 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

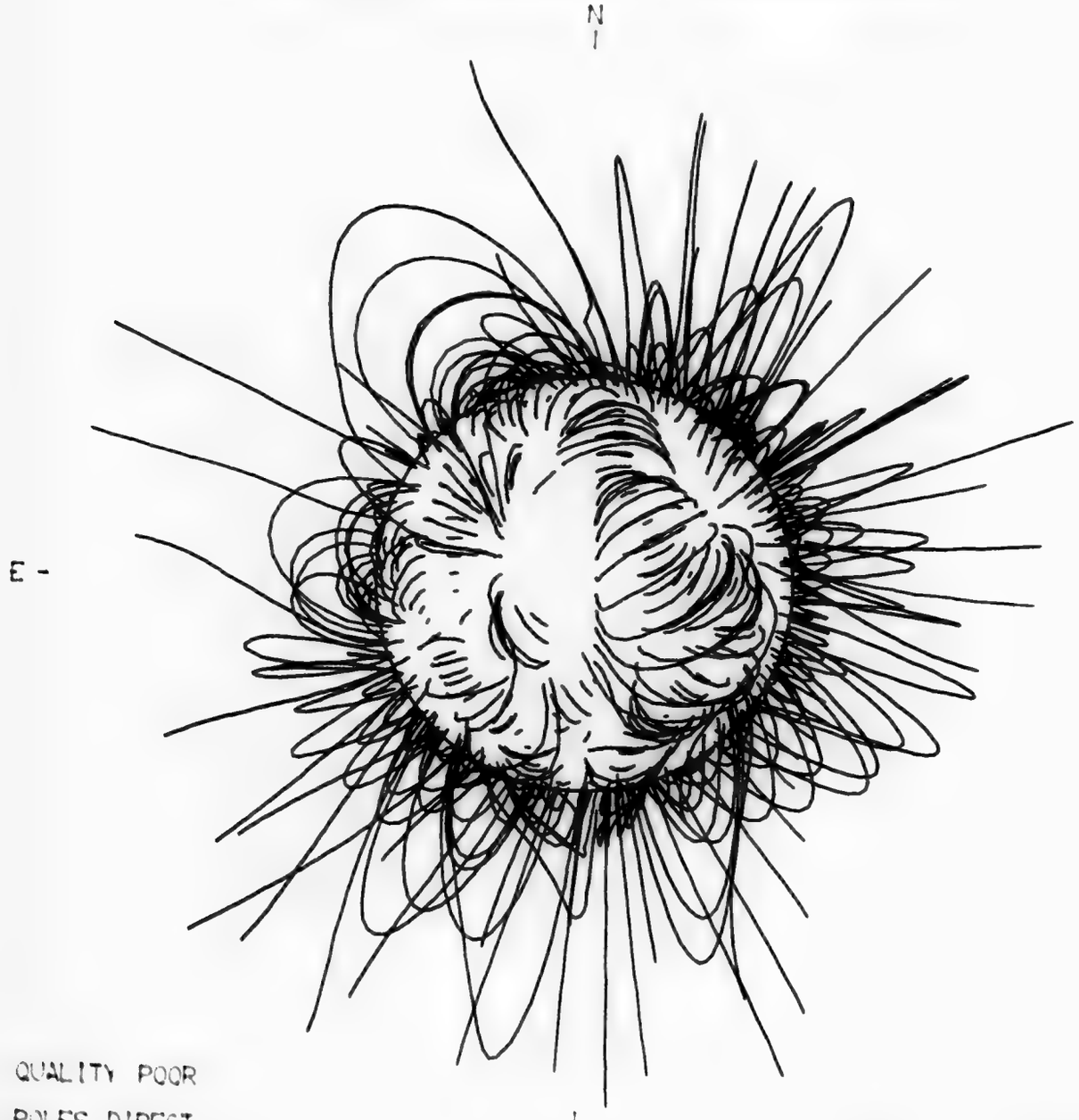
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1441 LONG. 80°

14.5 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

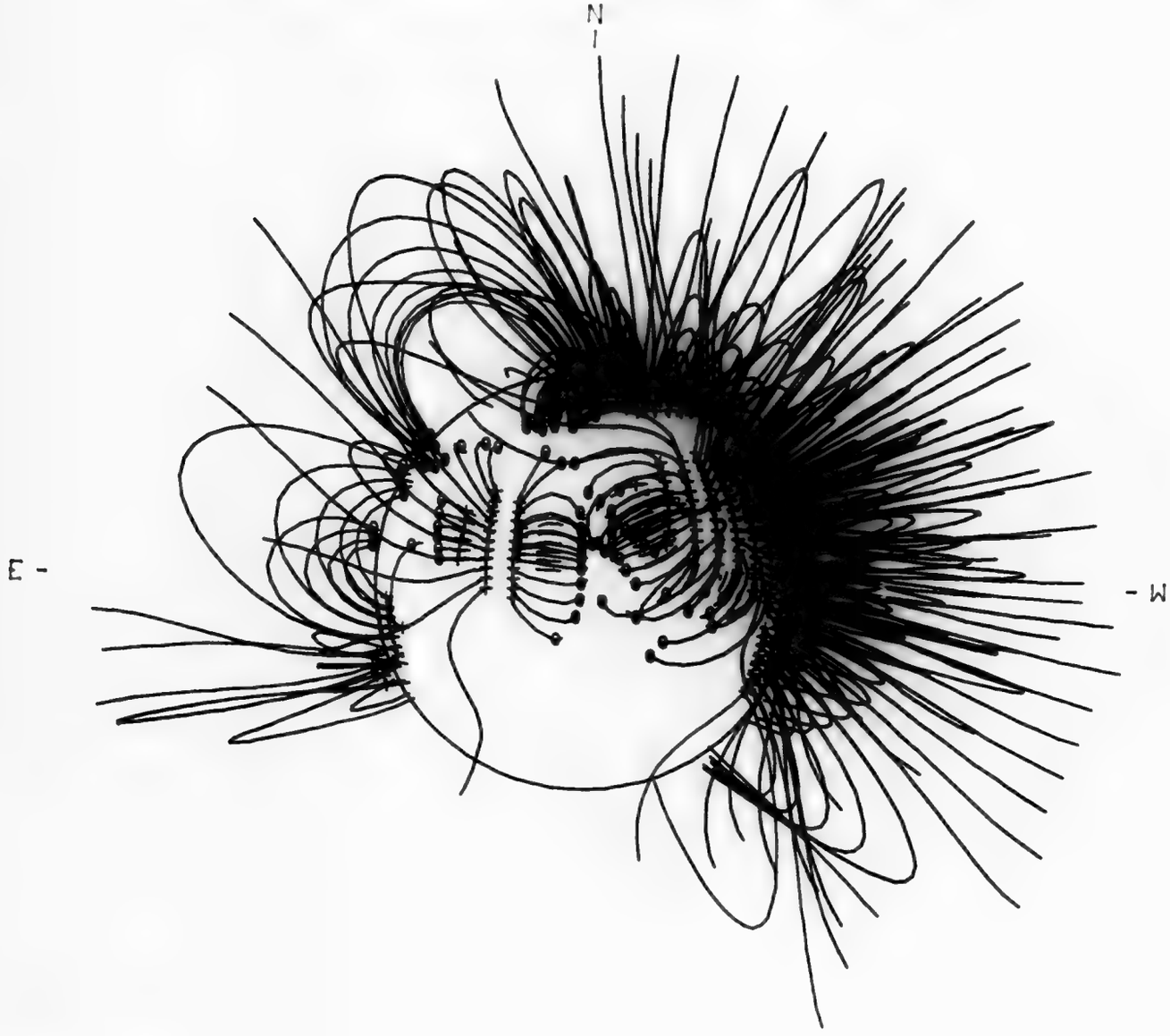
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1441 LONG. 70°

15.3 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

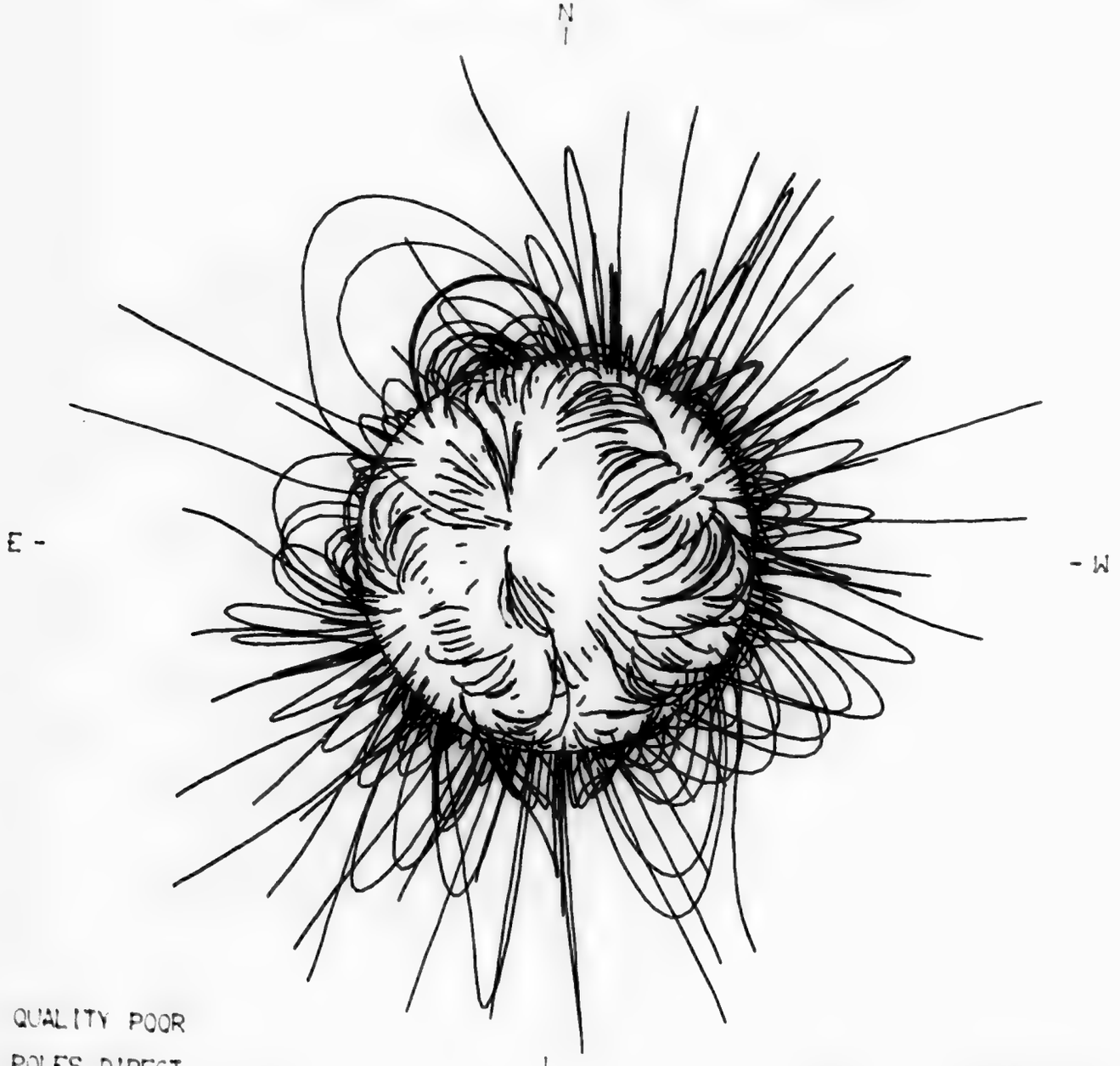
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1441 LONG. 70°

15.3 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

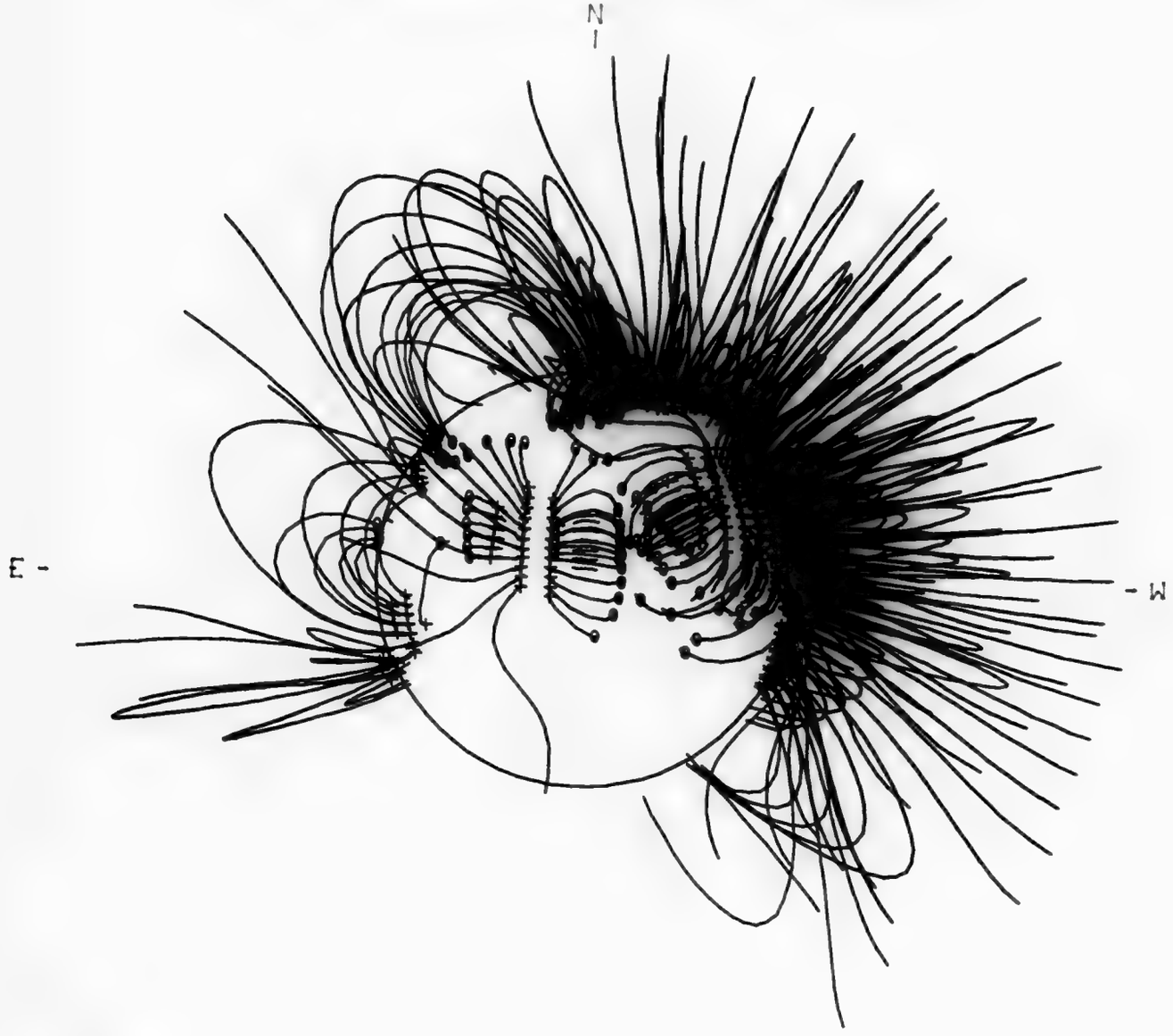
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1441 LONG. 60°

16.0 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

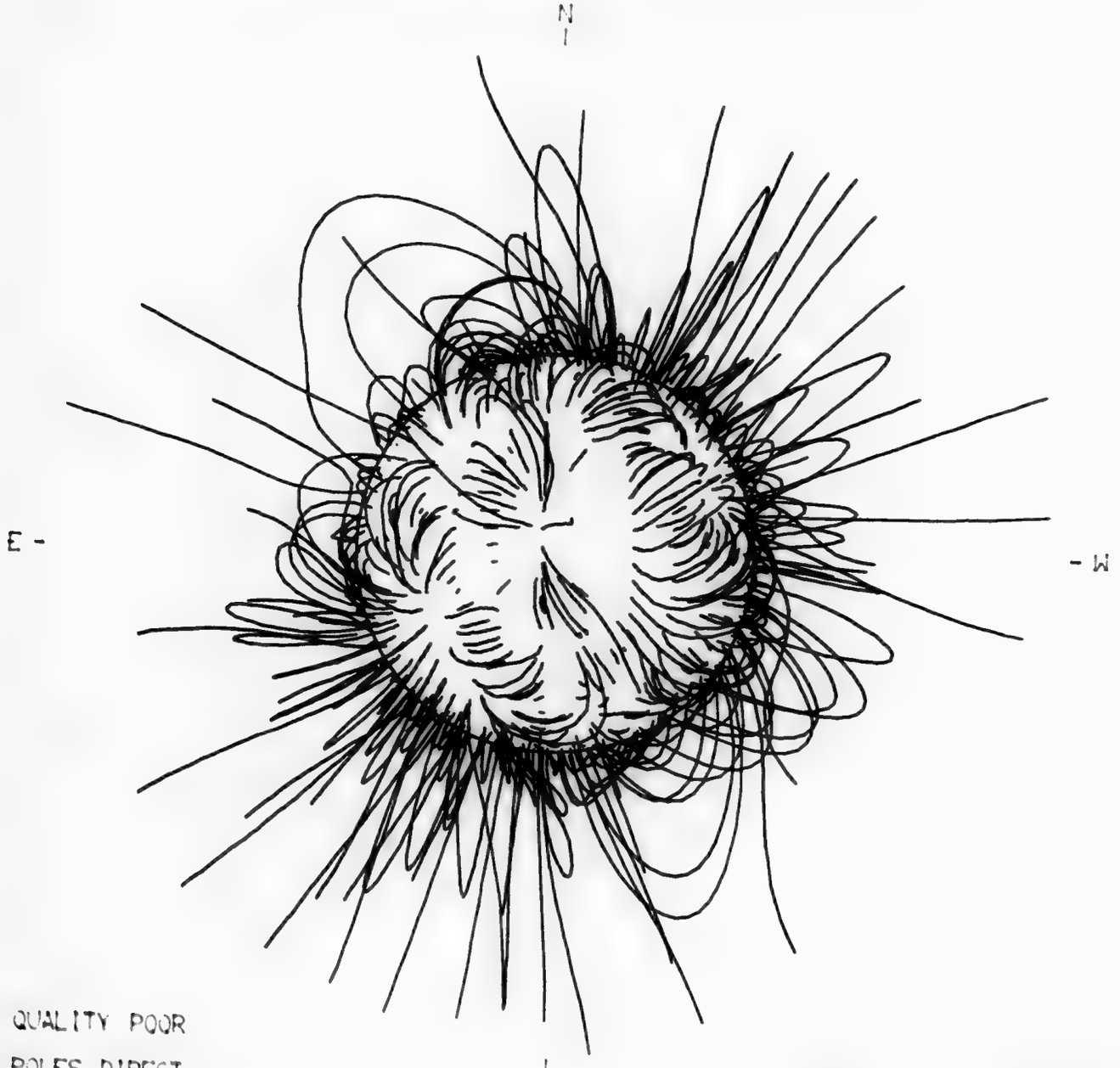
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1441 LONG. 60°

16.0 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

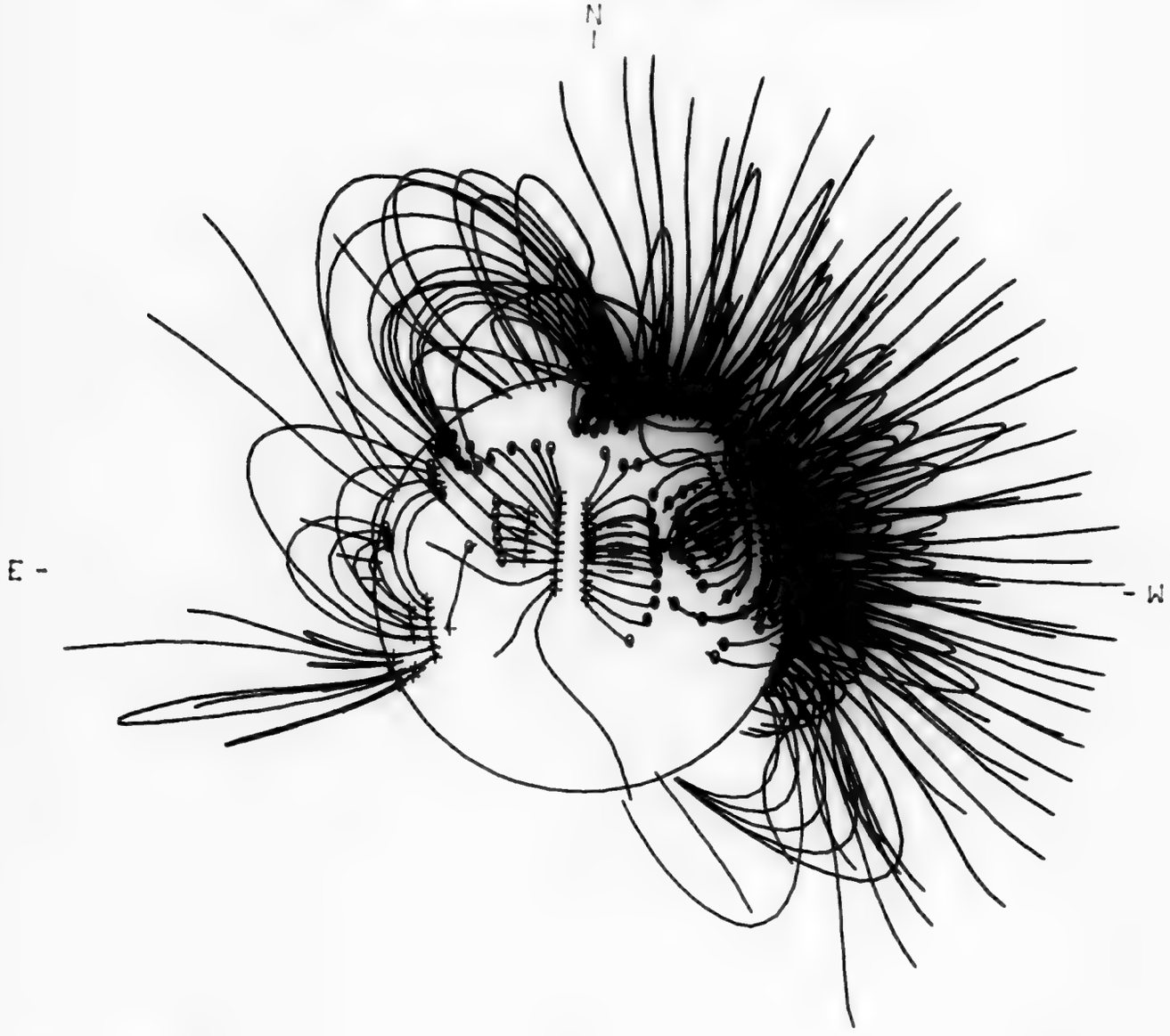
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1441 LONG. 50°

16.8 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

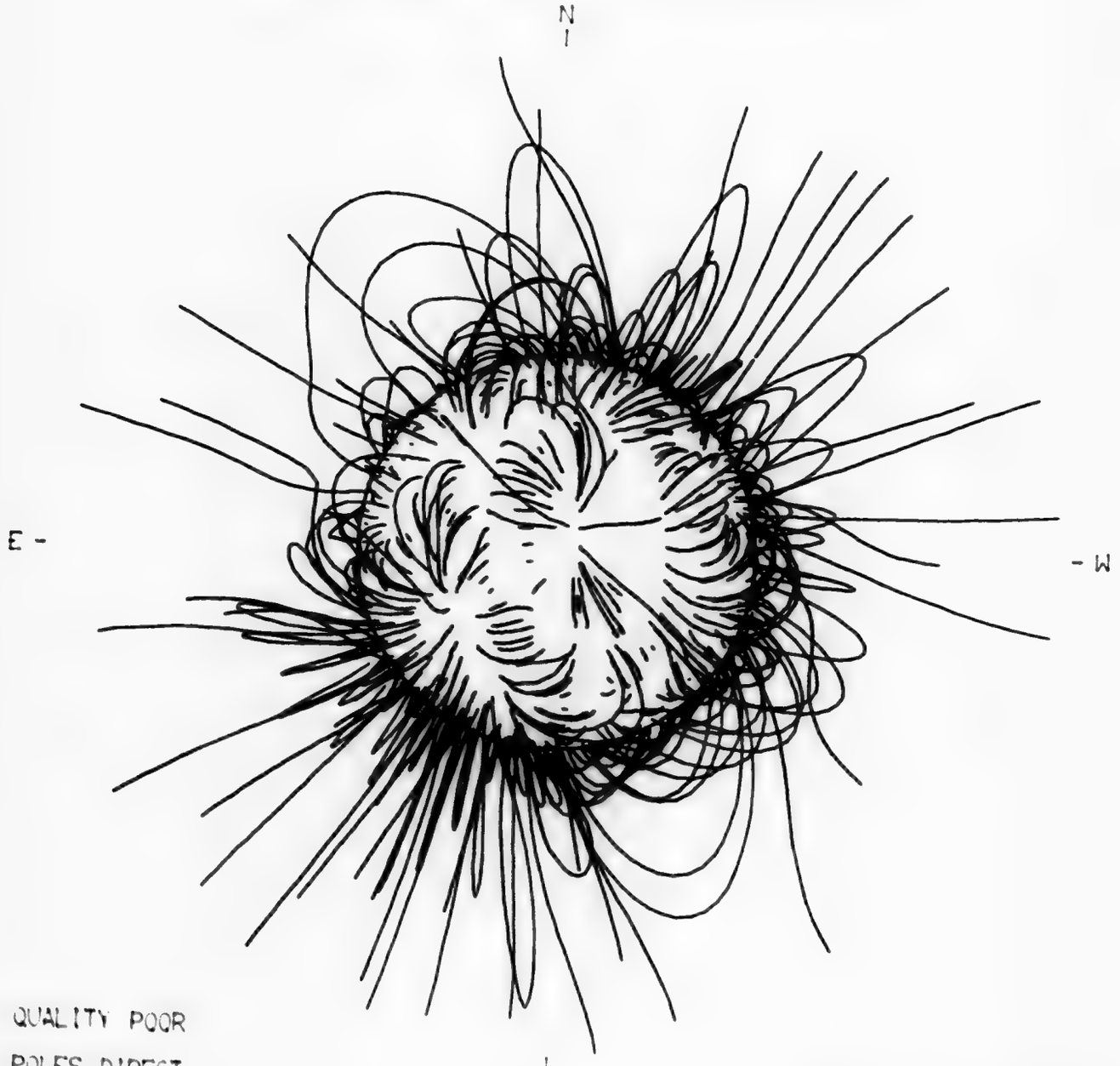
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1441 LONG. 50°

16.8 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

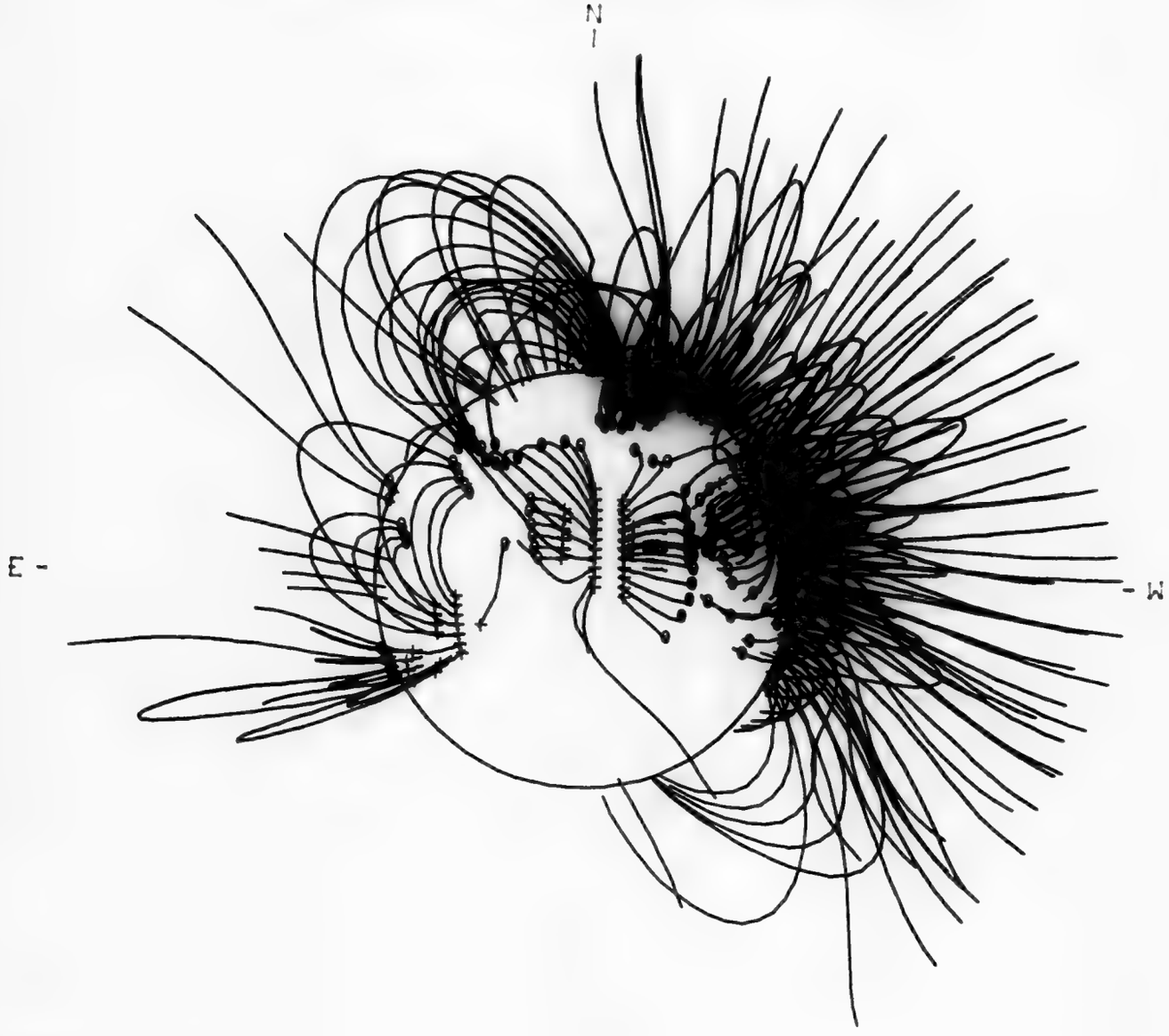
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1441 LONG. 40°

17.6 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

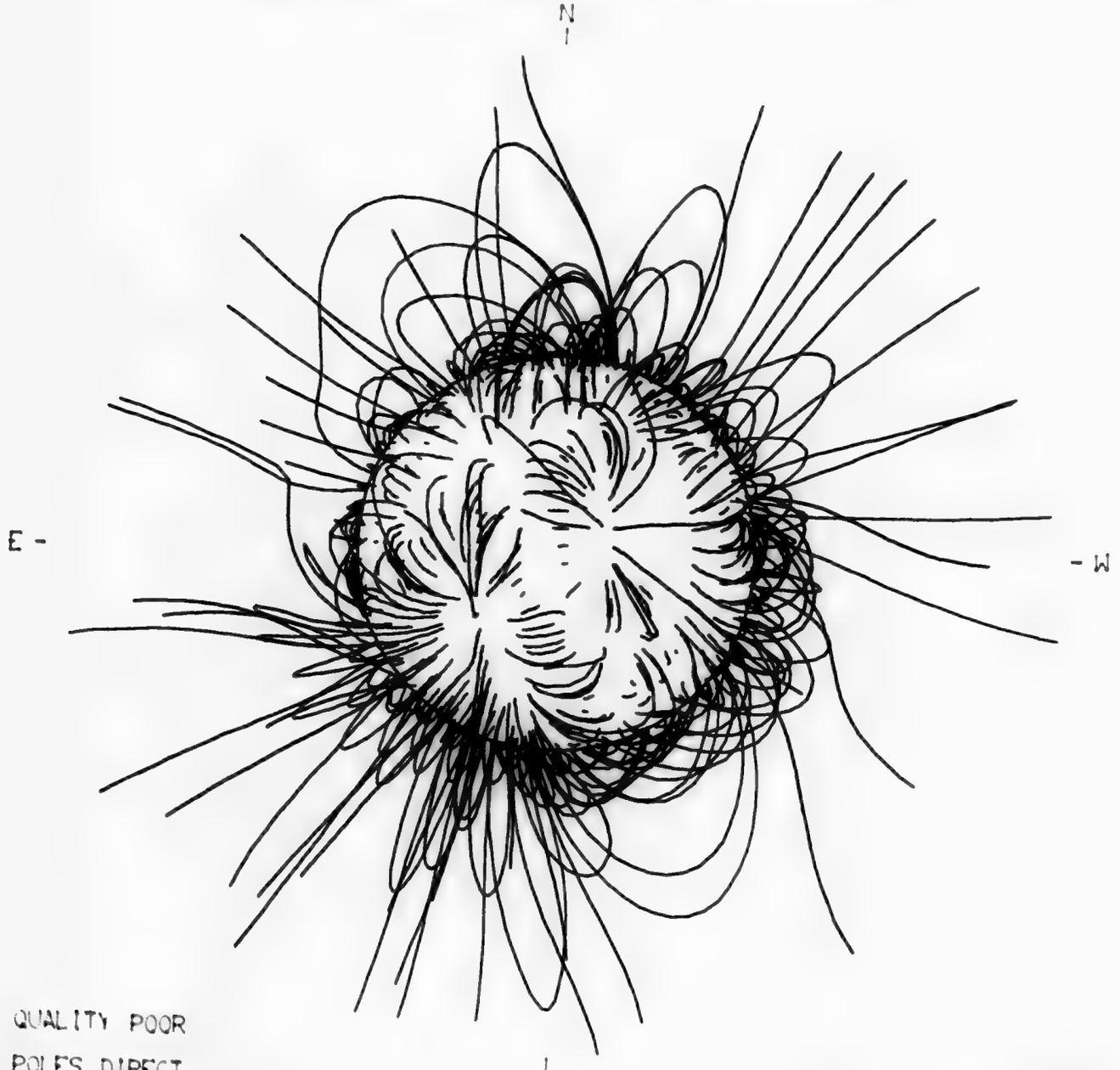
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1441 LONG. 40°

17.6 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

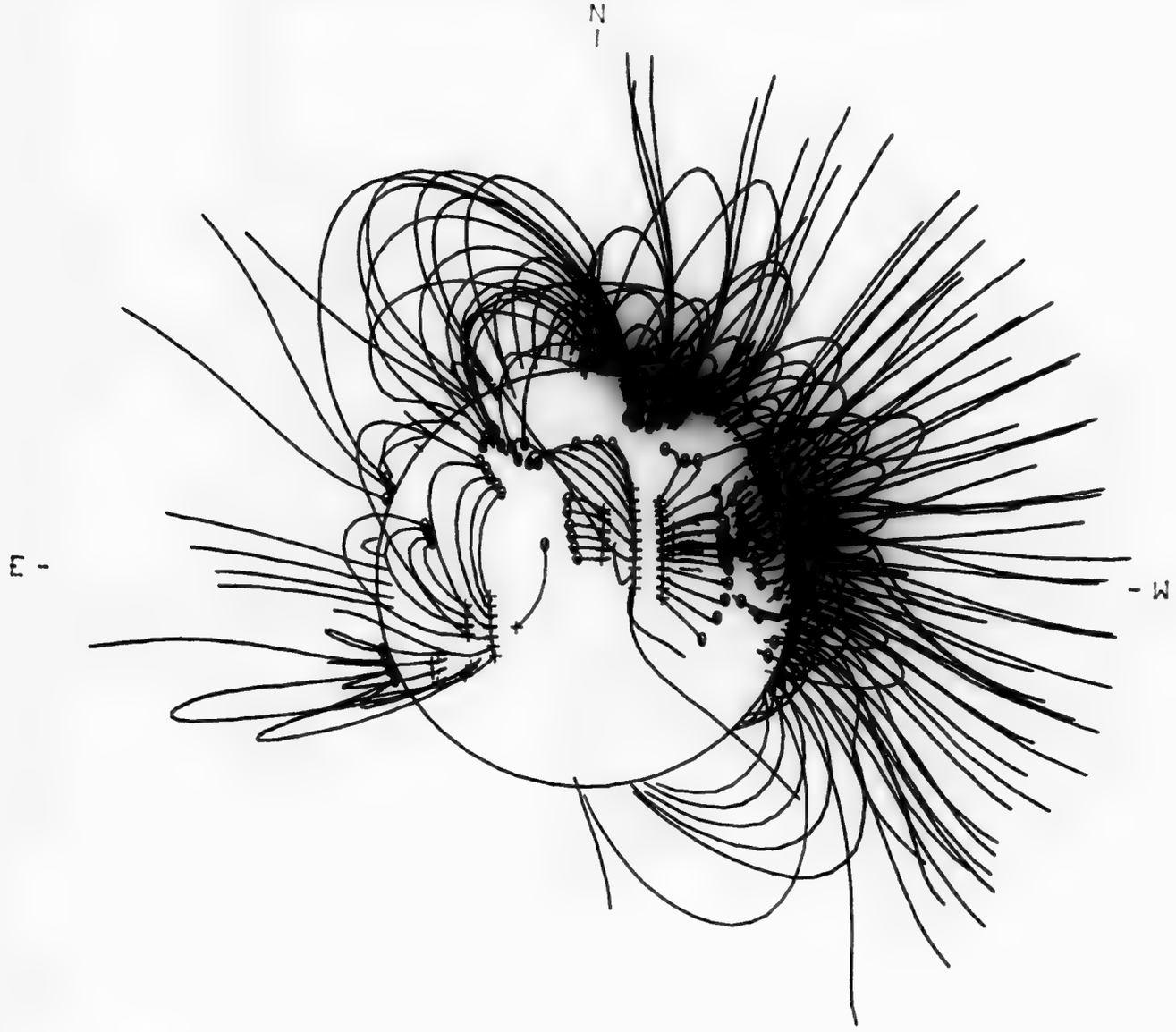
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1441 LONG. 30°

18.3 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

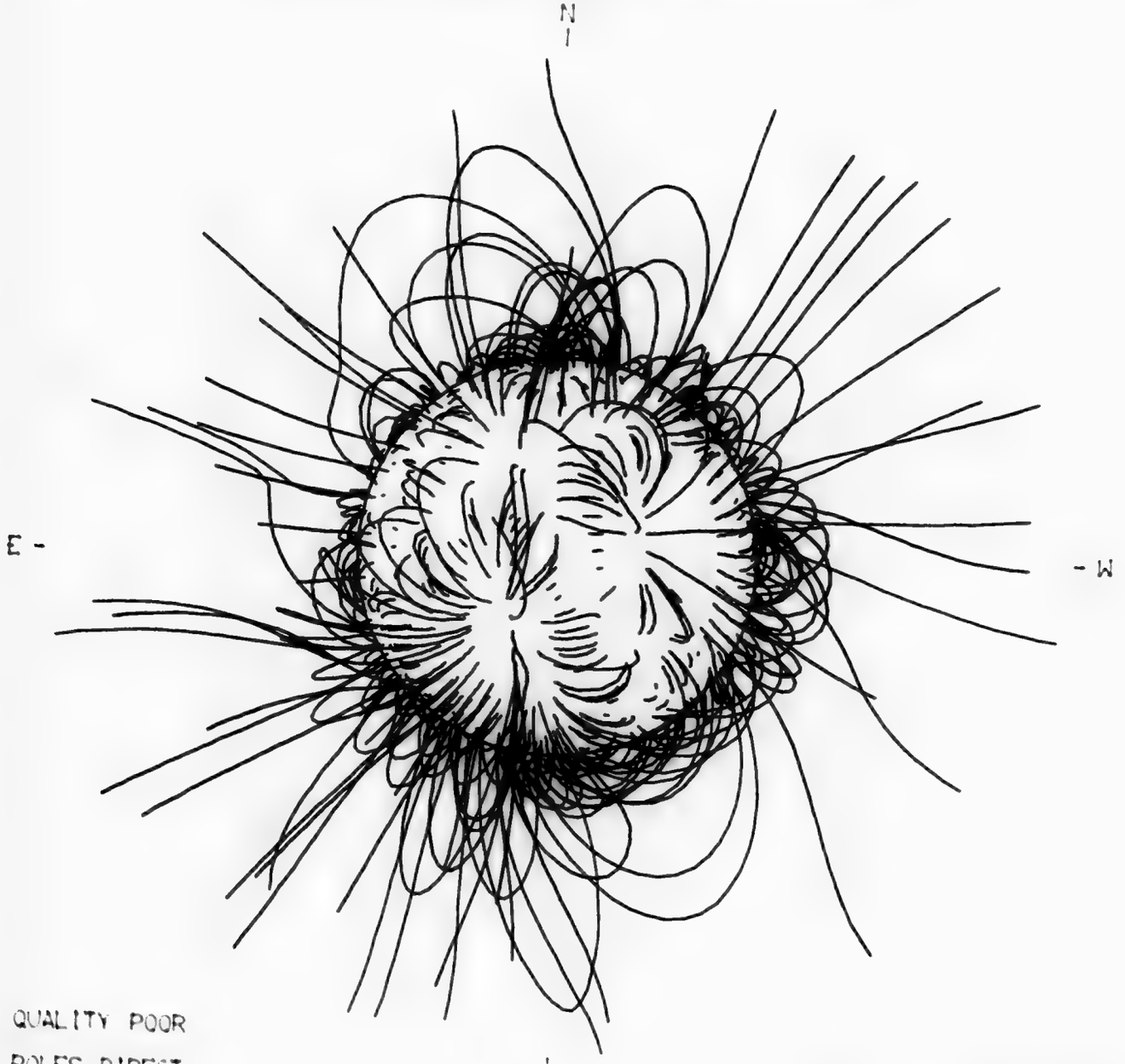
POLES DIRECT

DATA WINDOW 1.41..47

ROT. 1441 LONG. 30°

18.3 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

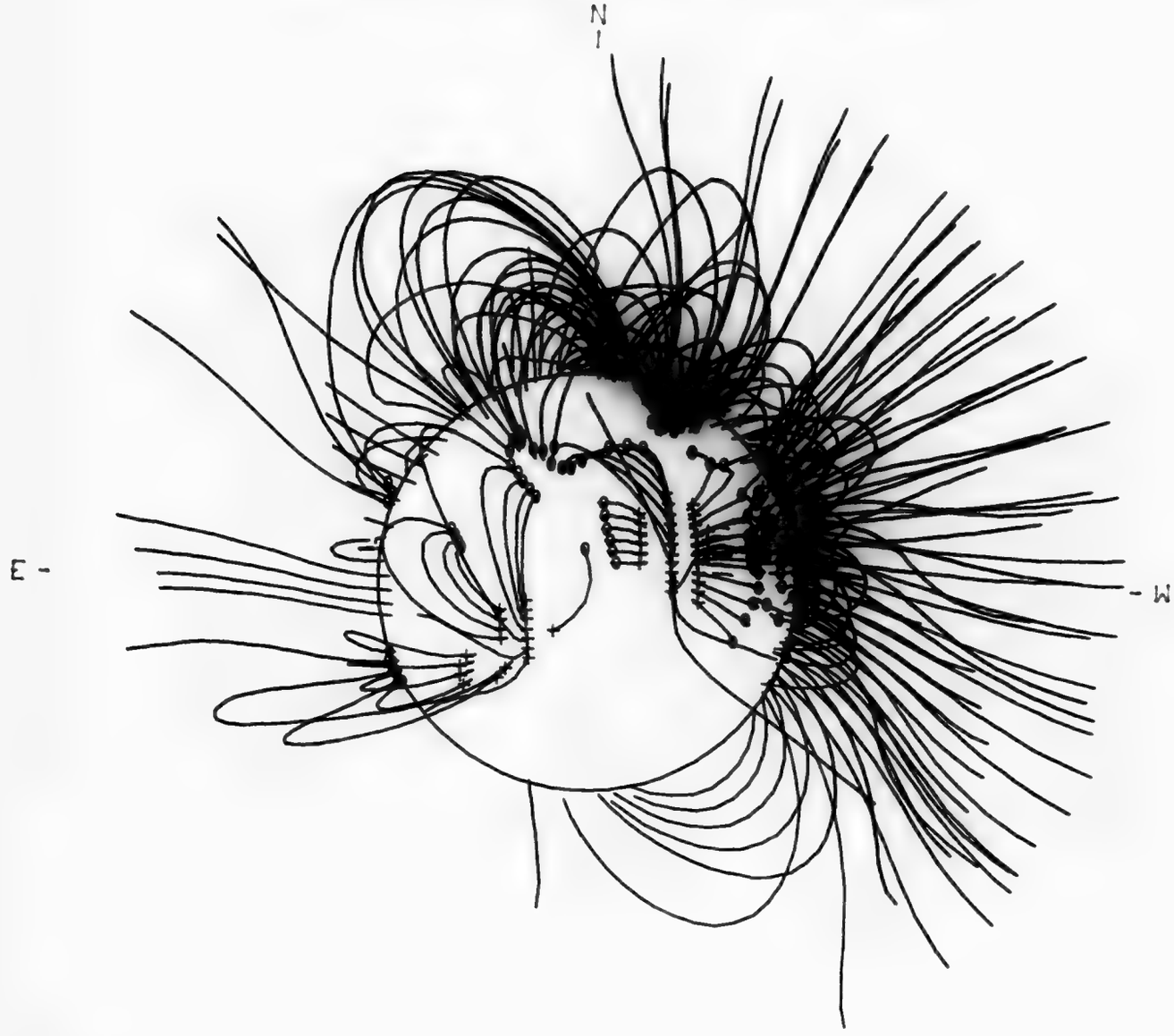
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1441 LONG. 20°

19.1 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

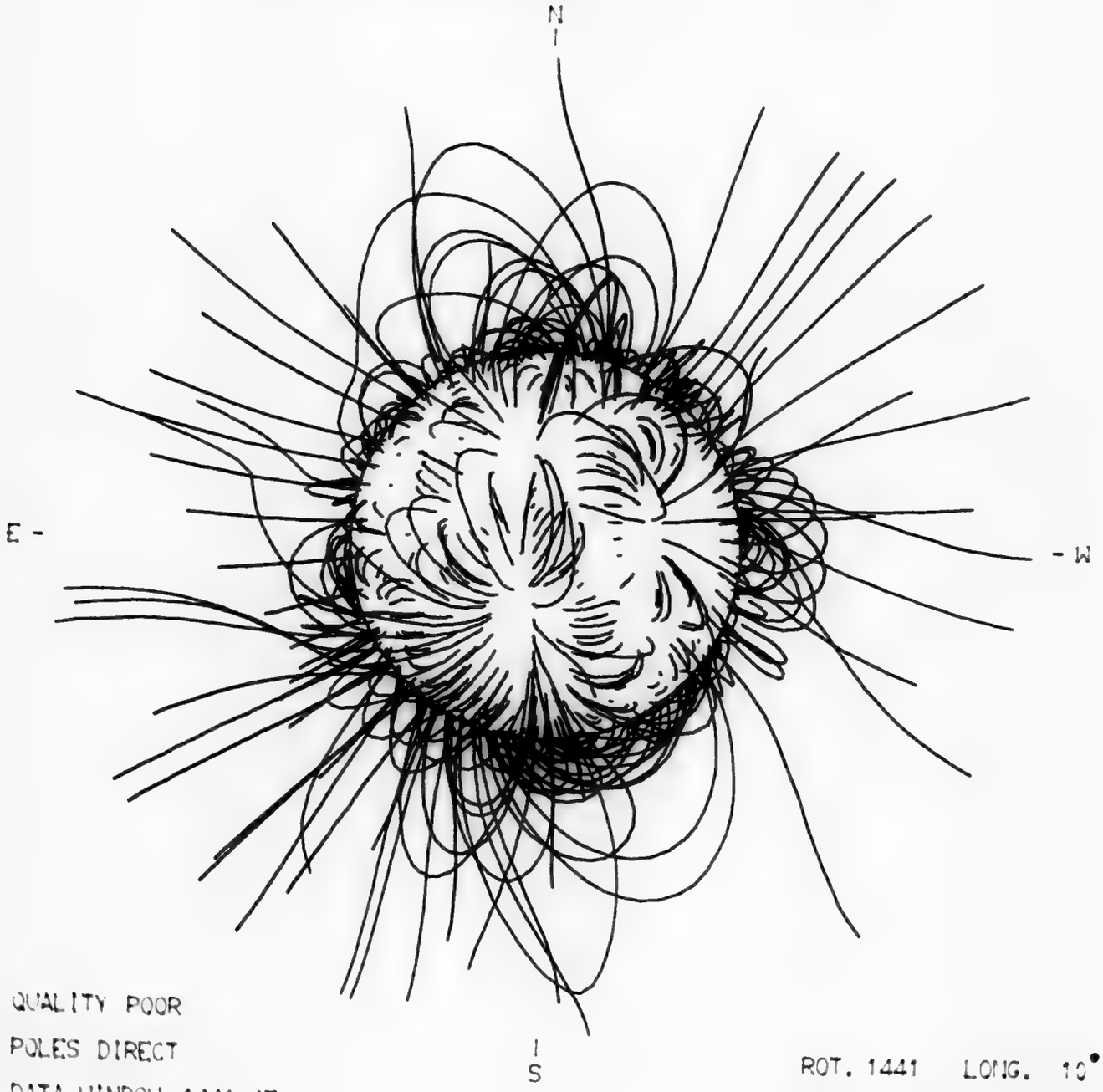
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1441 LONG. 20°

19.1 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

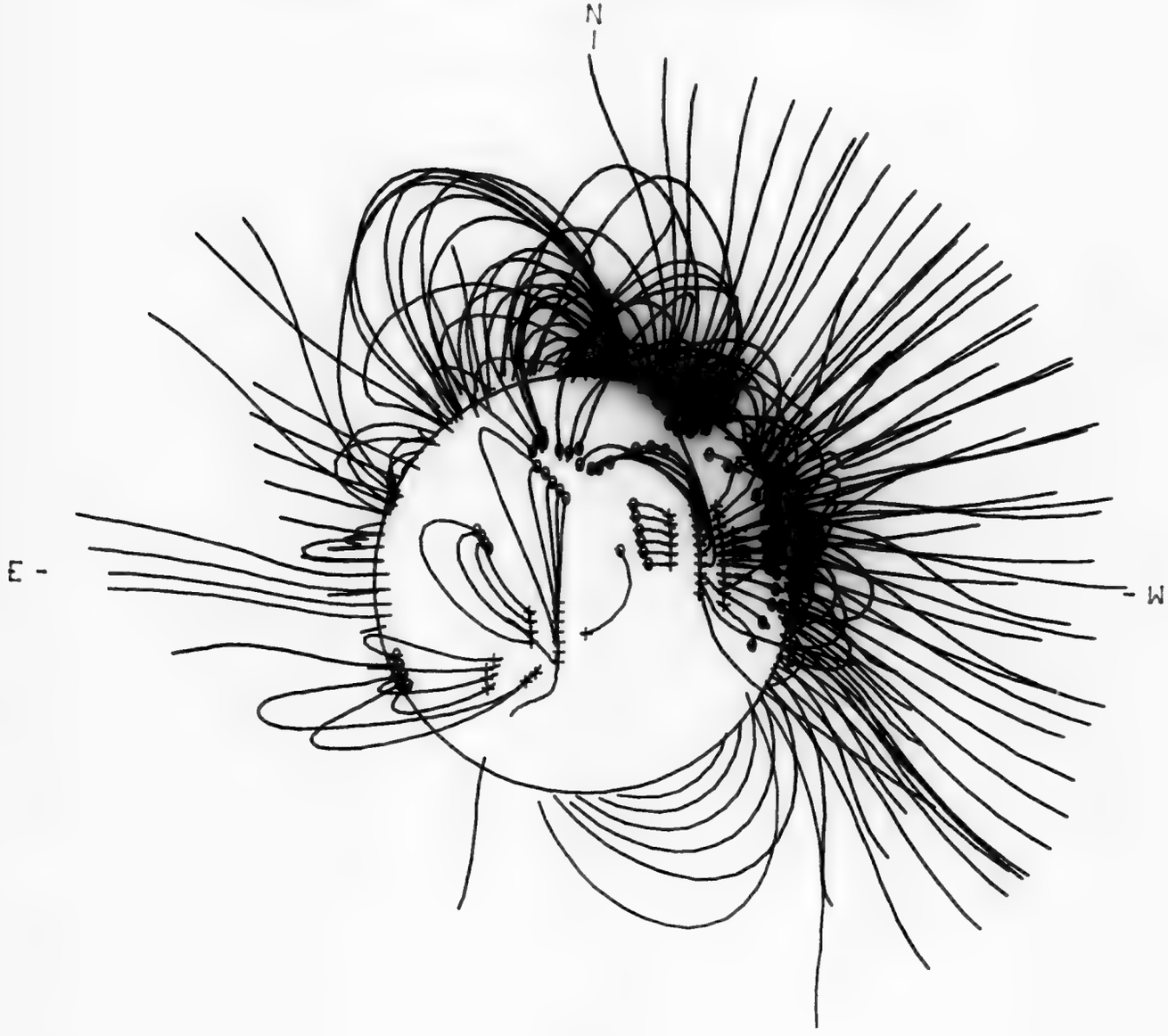
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1441 LONG. 10°

19.8 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

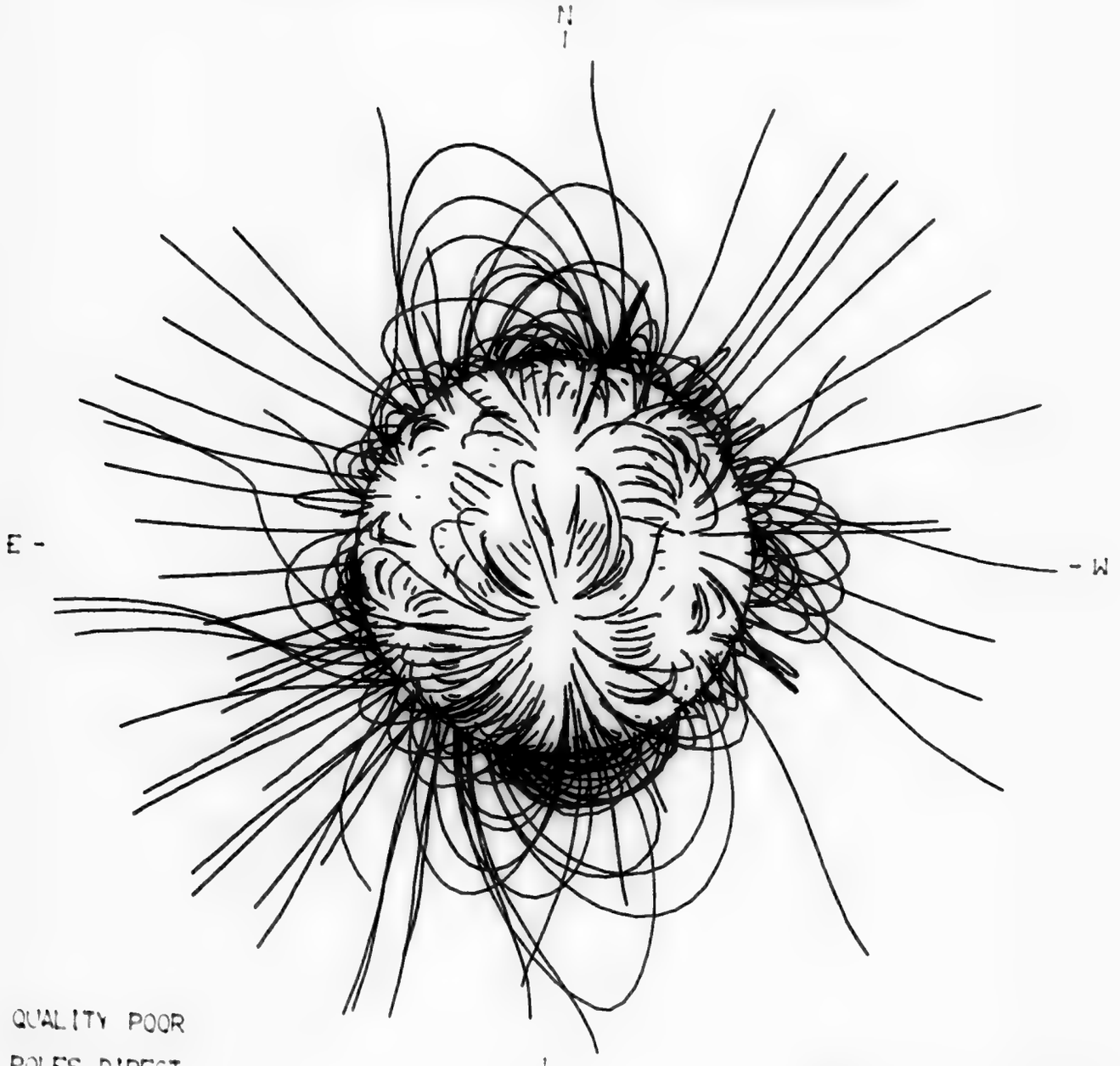
POLES DIRECT

DATA WINDOW 1.11.17

ROT. 1441 LONG. 10°

19.8 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

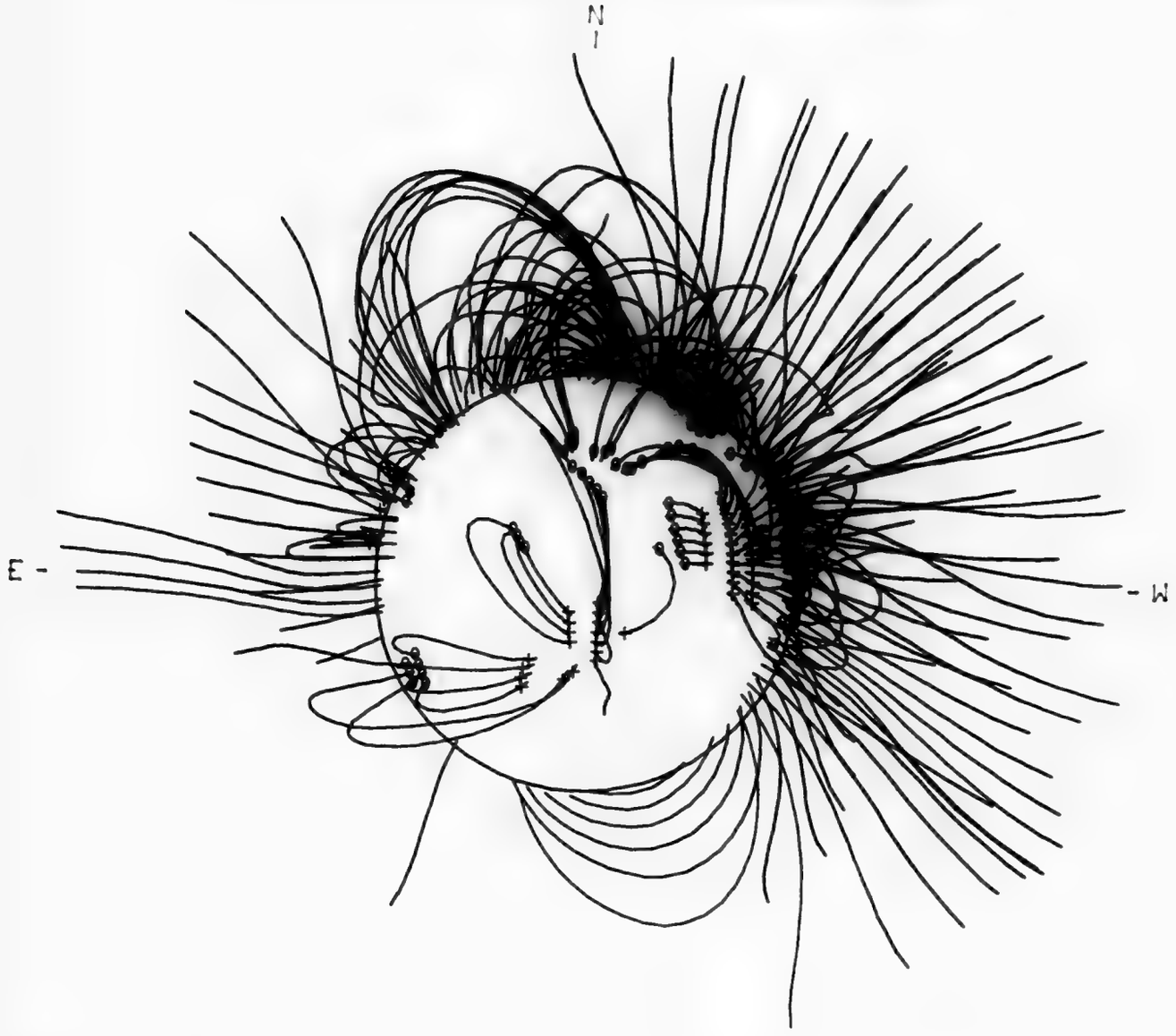
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1441 LONG. 0°

20.6 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

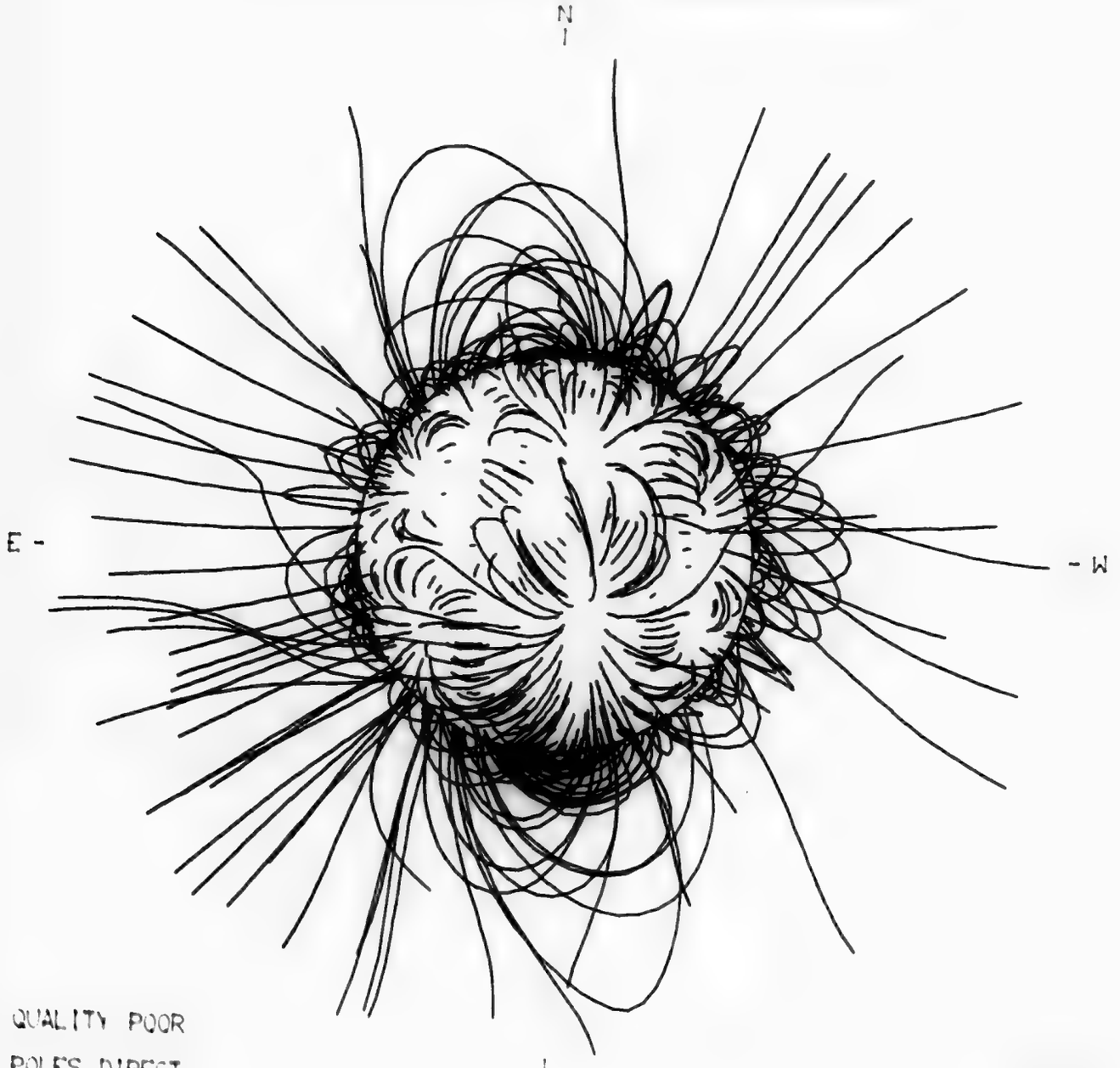
POLES DIRECT

DATA WINDOW 1.11,.17

ROT. 1441 LONG. 0°

20.6 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

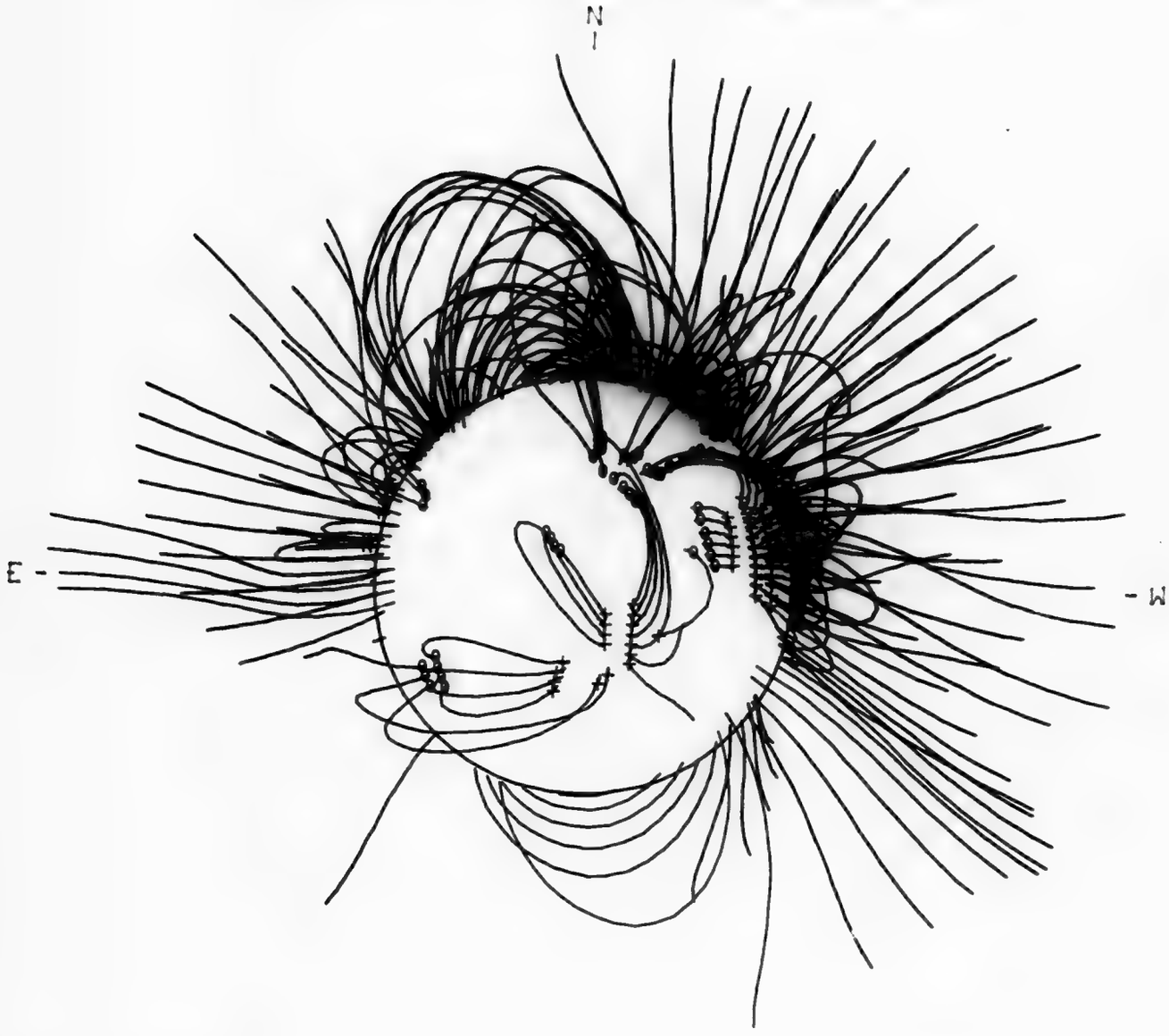
POLES DIRECT

DATA WINDOW 1.11,.47

ROT. 1442 LONG. 350°

21.3 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

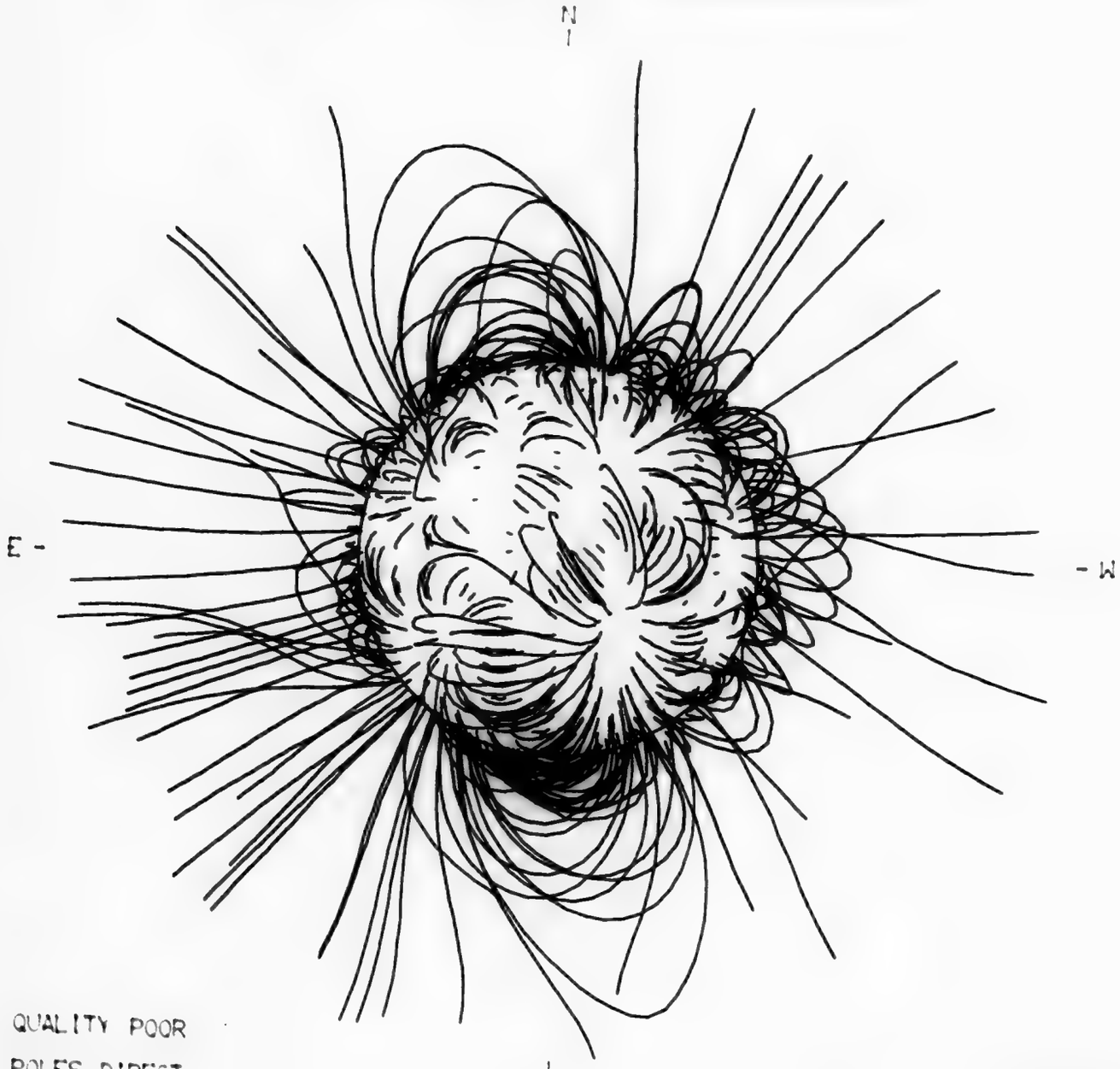
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1442 LONG. 350°

21.3 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

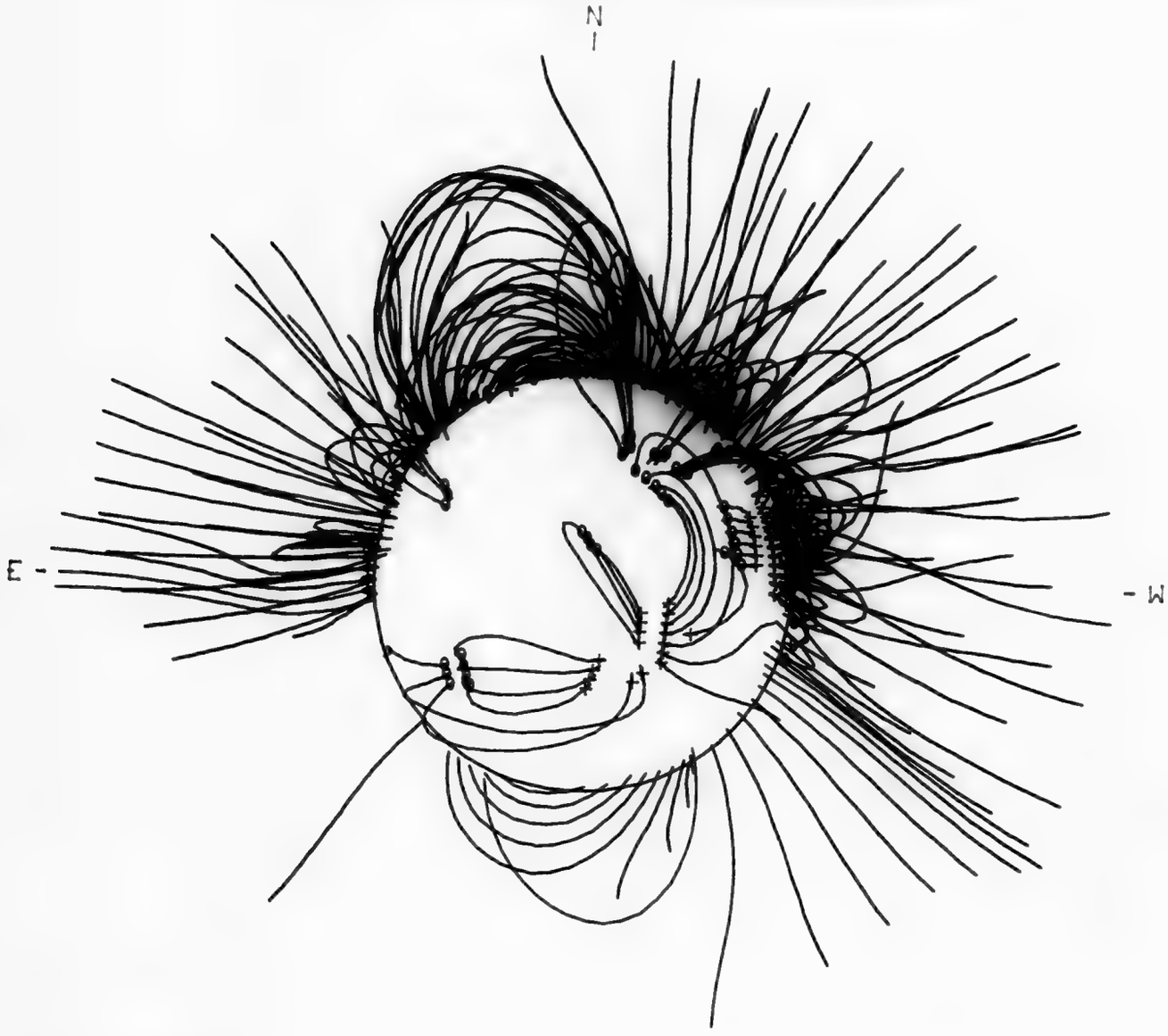
POLES DIRECT

DATA WINDOW 1.11.47

ROT. 1442 LONG. 340°

22.1 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

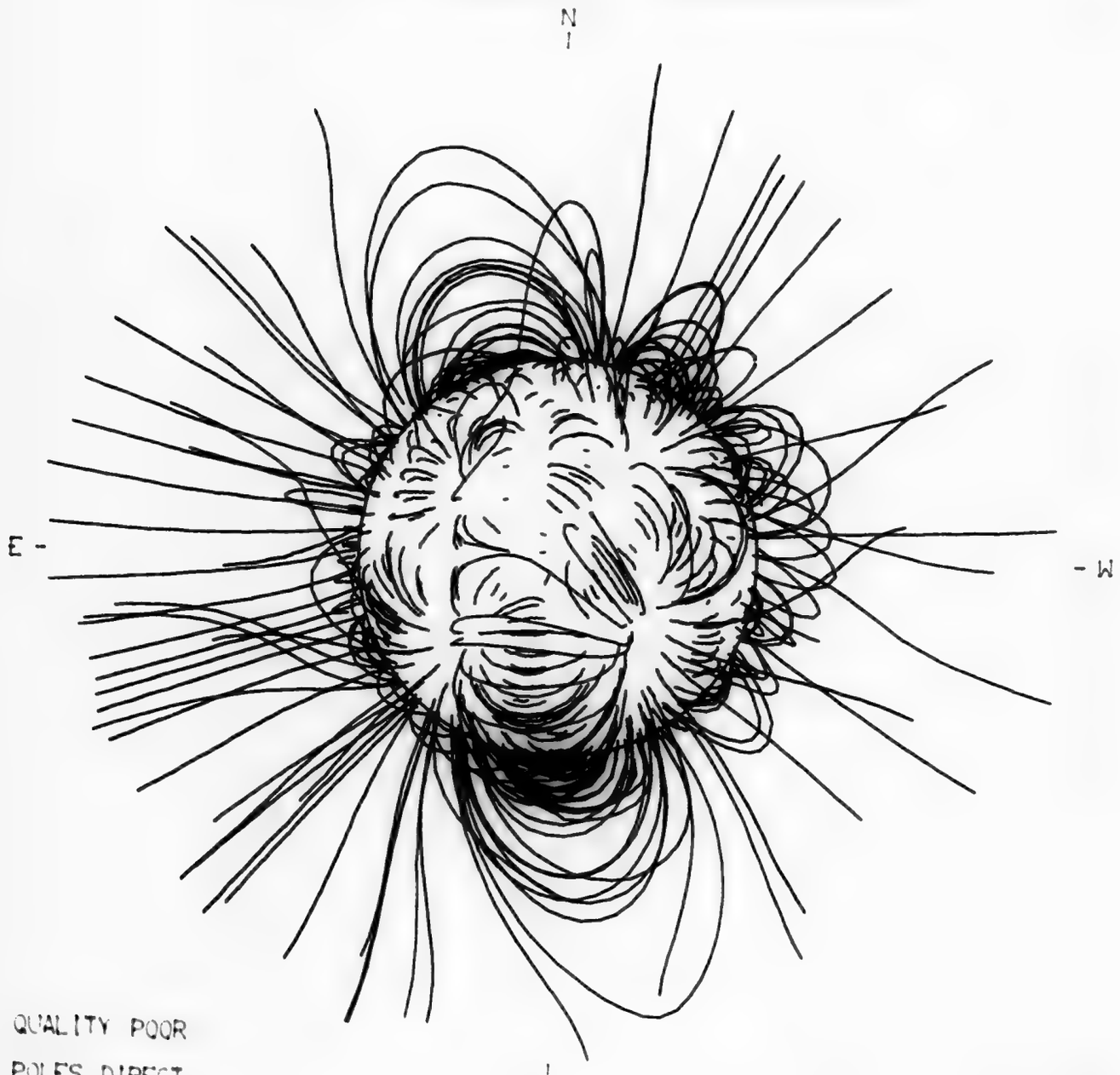
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1442 LONG. 340°

22.1 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

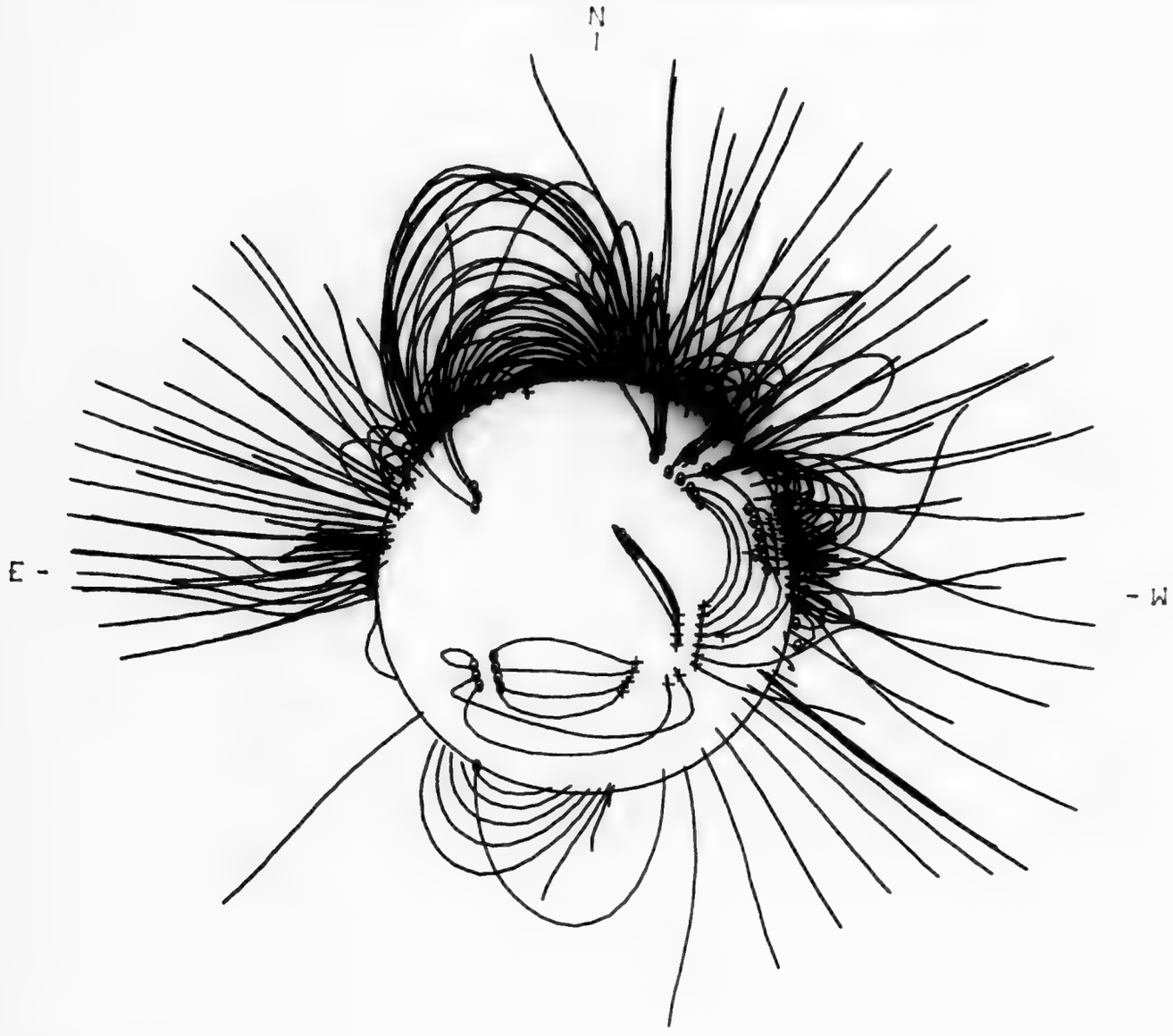
POLES DIRECT

DATA WINDOW 1.11,47

ROT. 1442 LONG. 330°

22.9 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

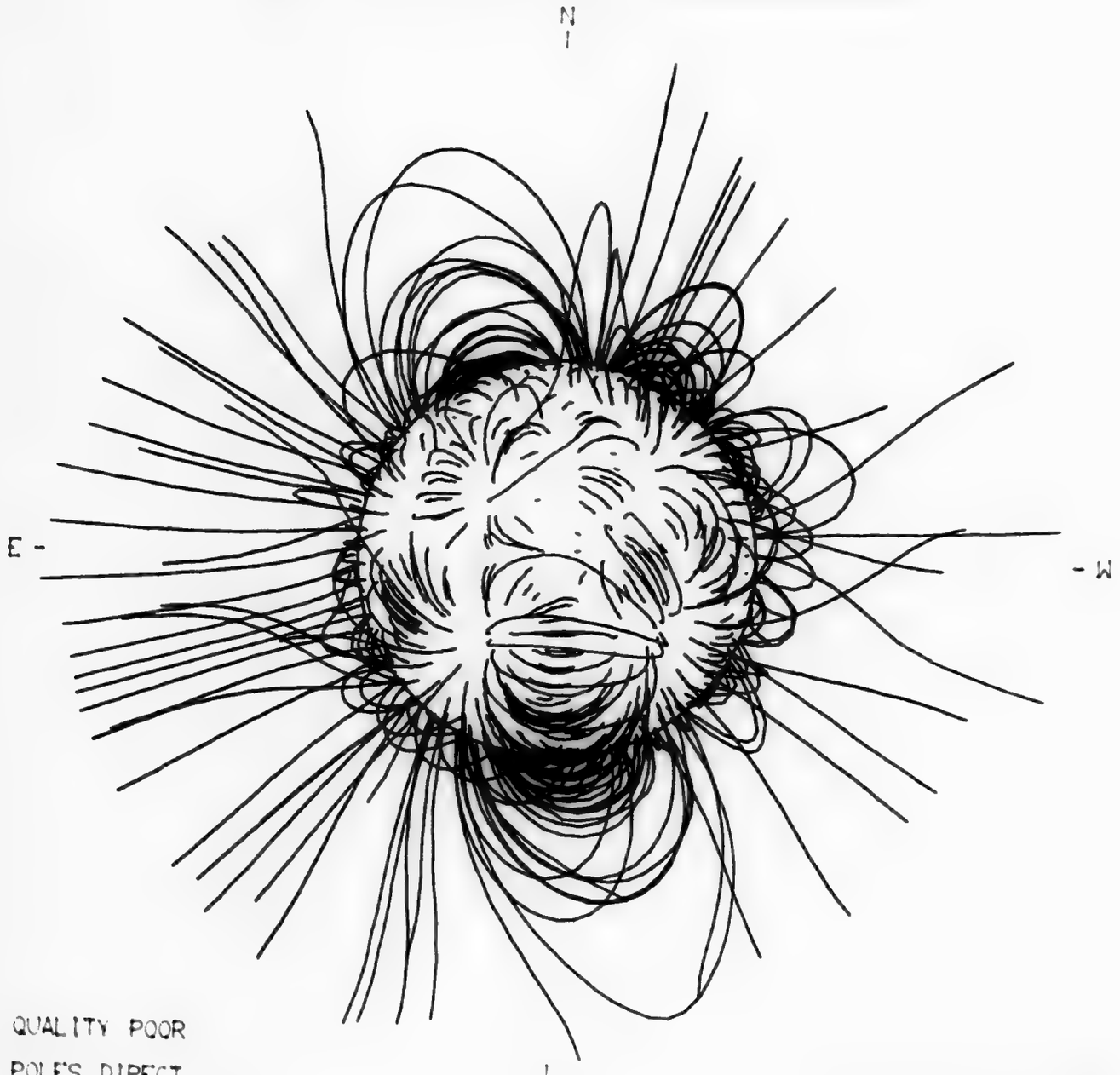
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1442 LONG. 330°

22.9 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

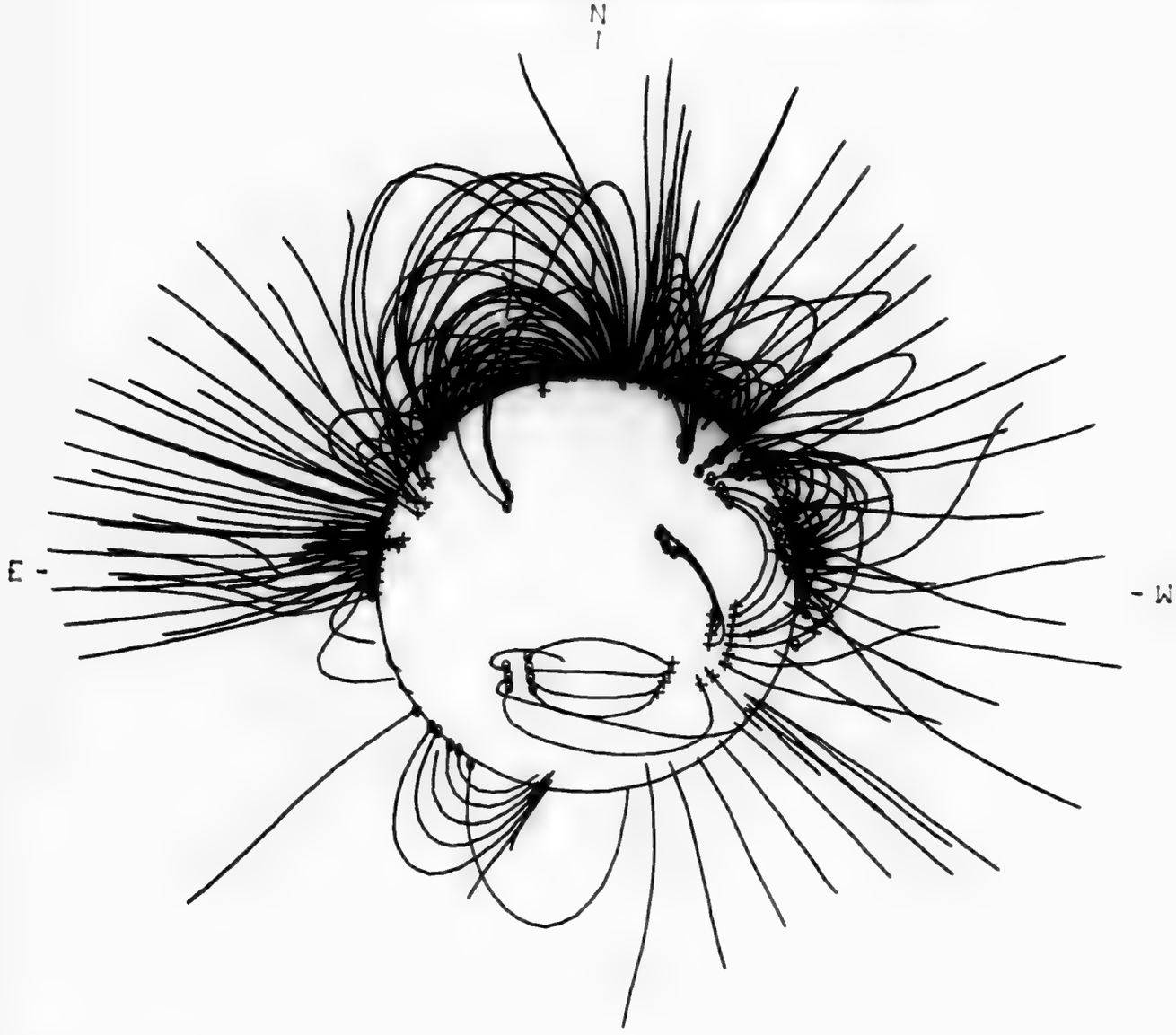
POLES DIRECT

DATA WINDOW 1.11.47

ROT. 1442 LONG. 320°

23.6 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

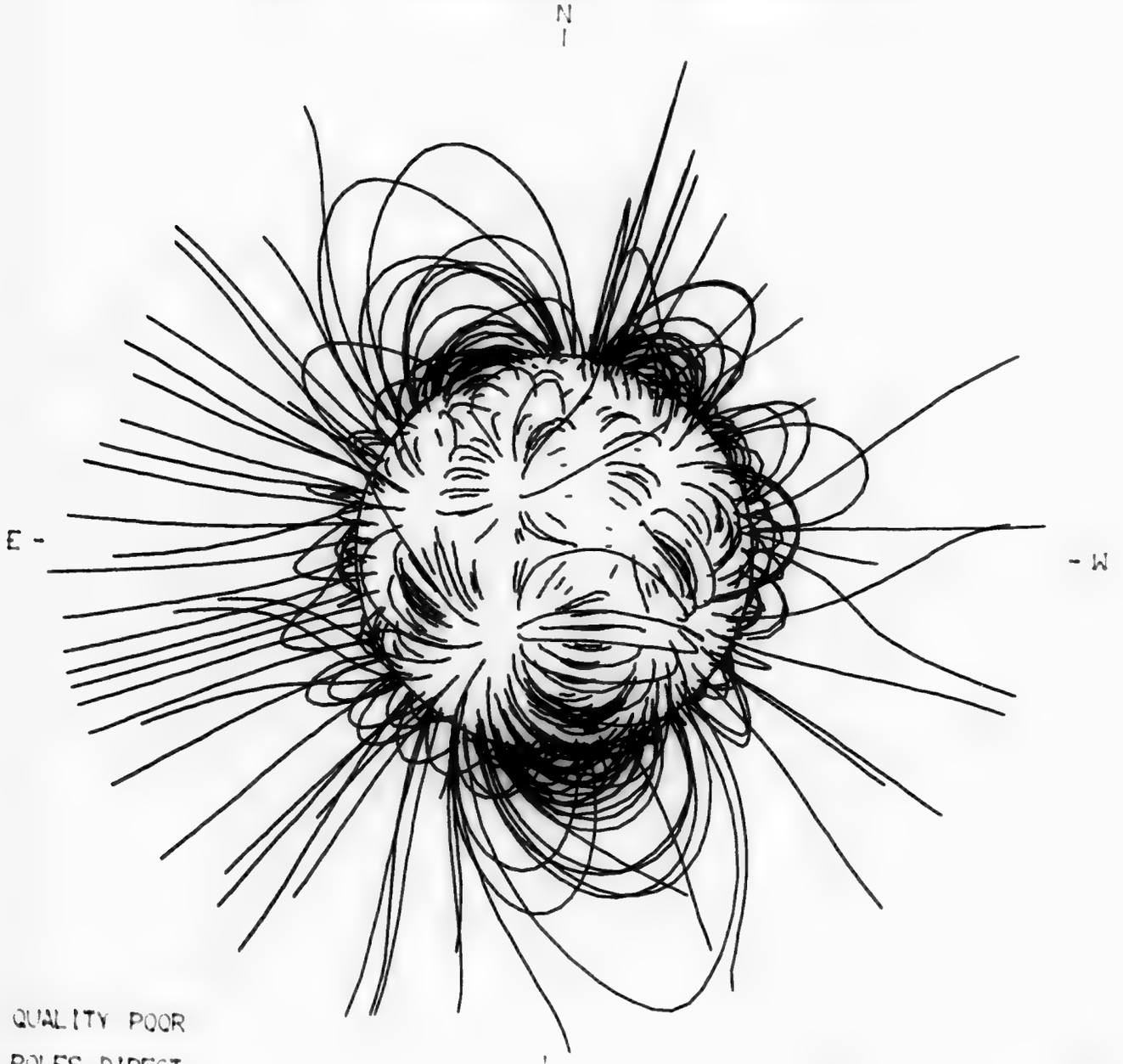
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1442 LONG. 320°

23.6 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

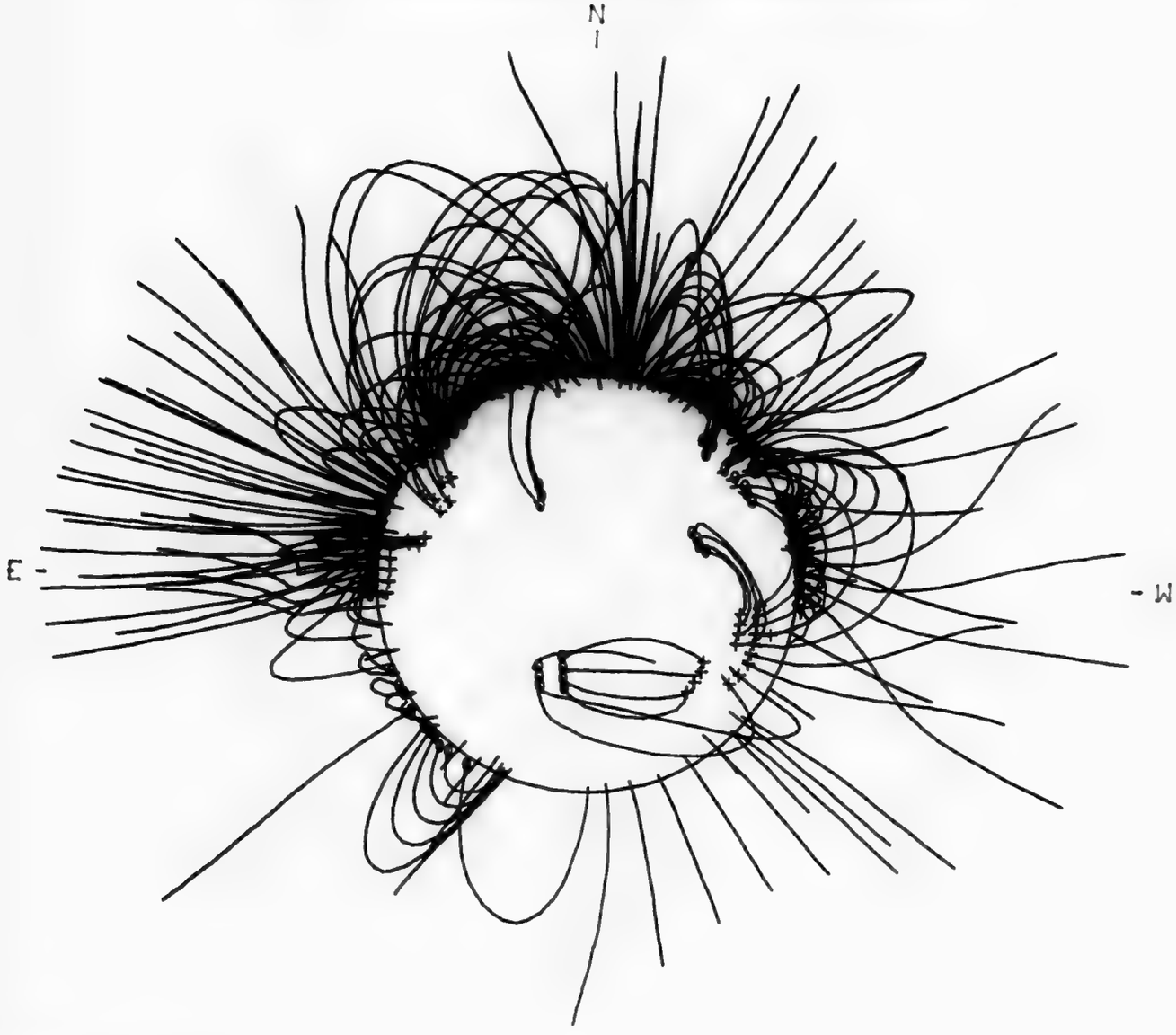
POLES DIRECT

DATA WINDOW 1.11,.47

ROT. 1442 LONG. 310°

24.4 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

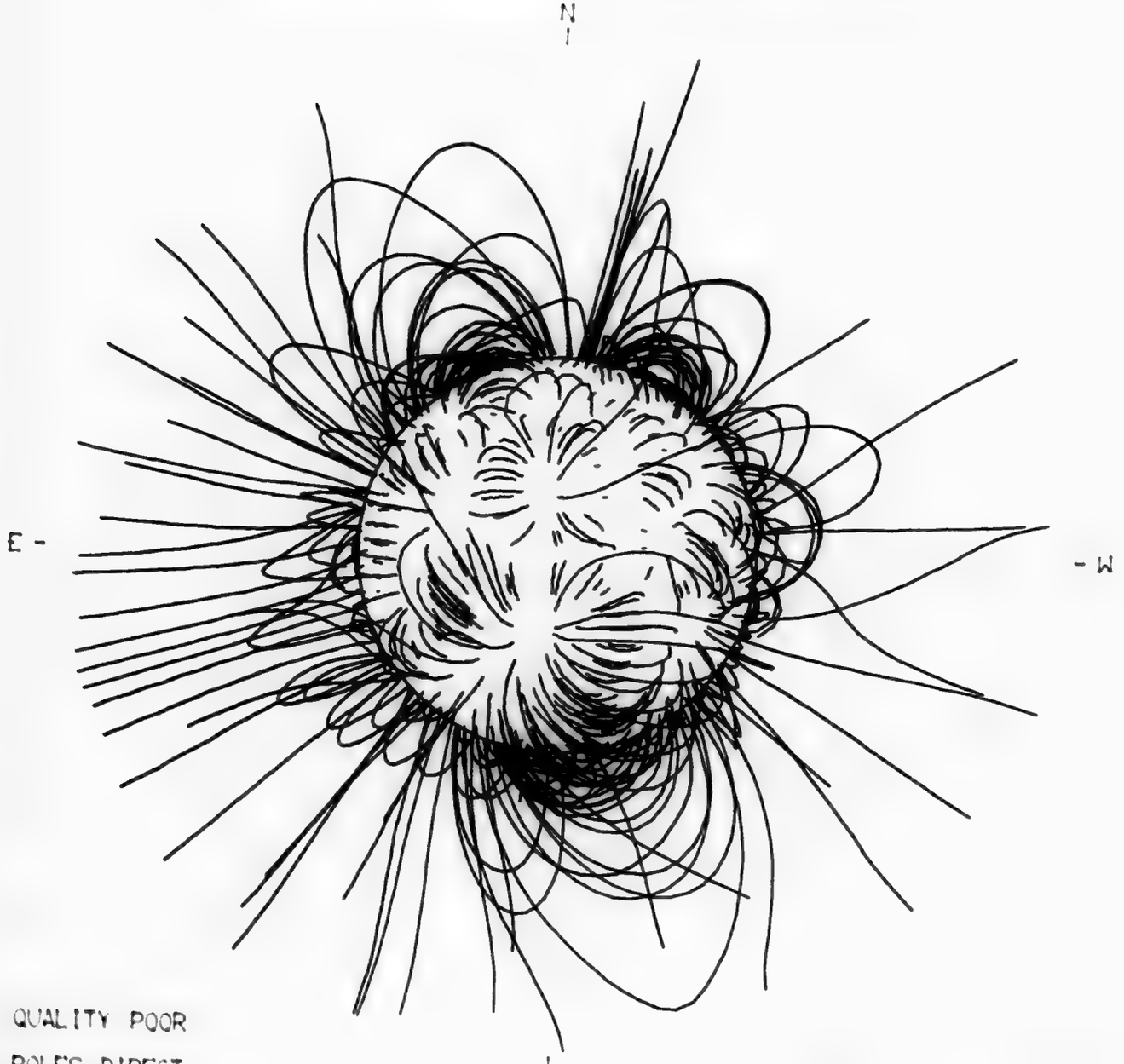
POLES DIRECT

DATA WINDOW 1.11.47

ROT. 1442 LONG. 310°

24.4 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

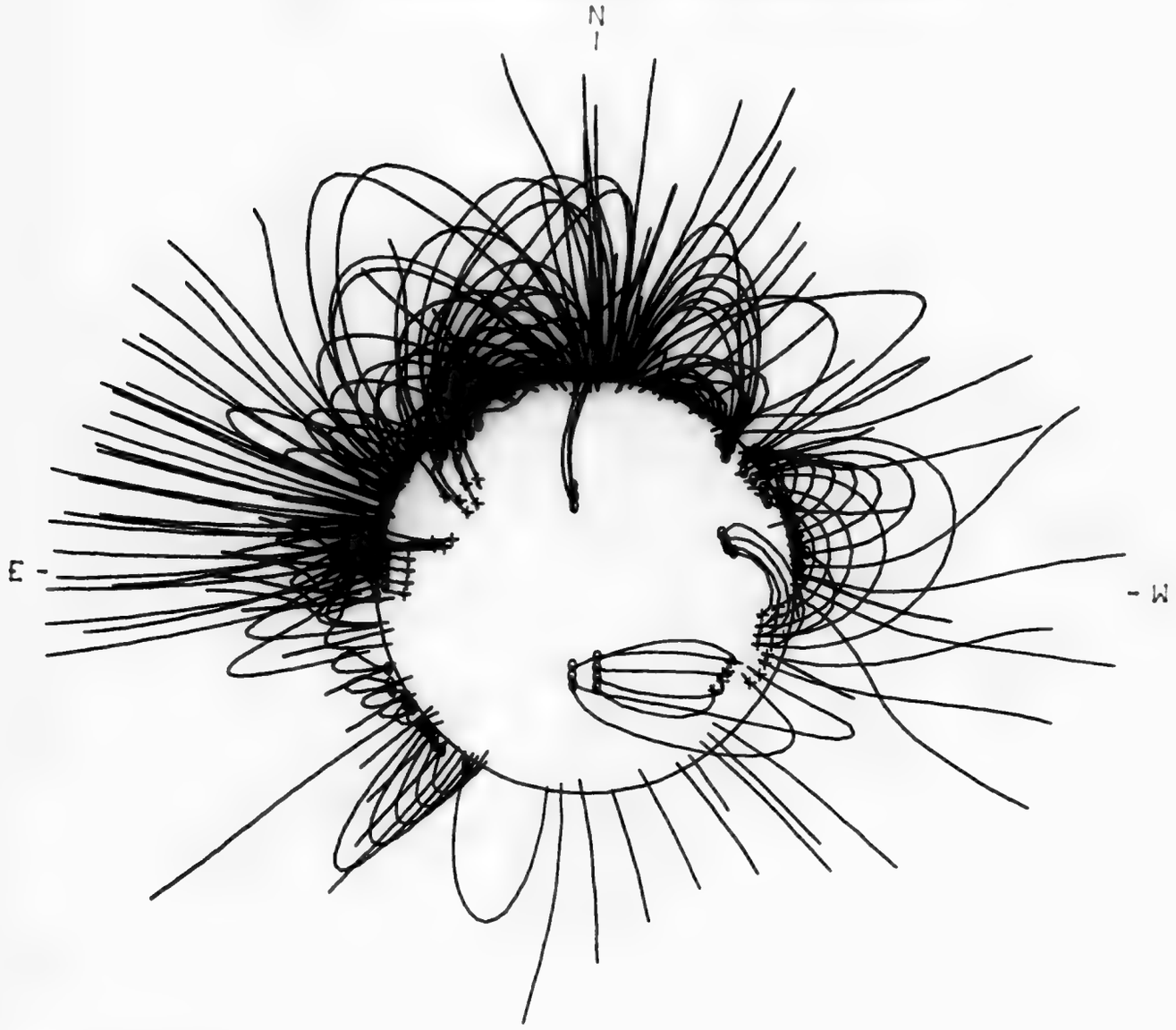
POLES DIRECT

DATA WINDOW 1111.47

ROT. 1442 LONG. 300°

25.1 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

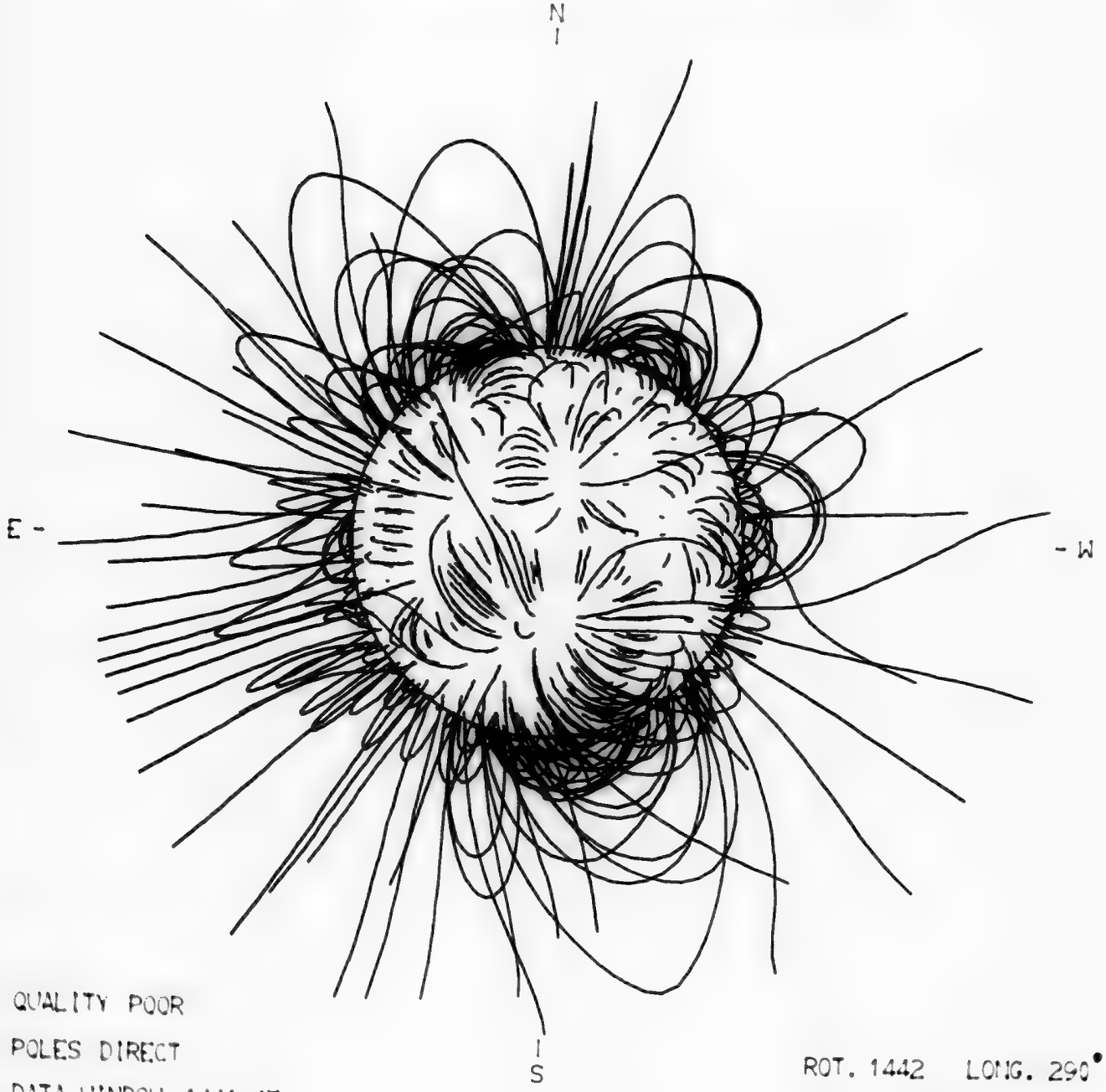
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1442 LONG. 300°

25.1 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

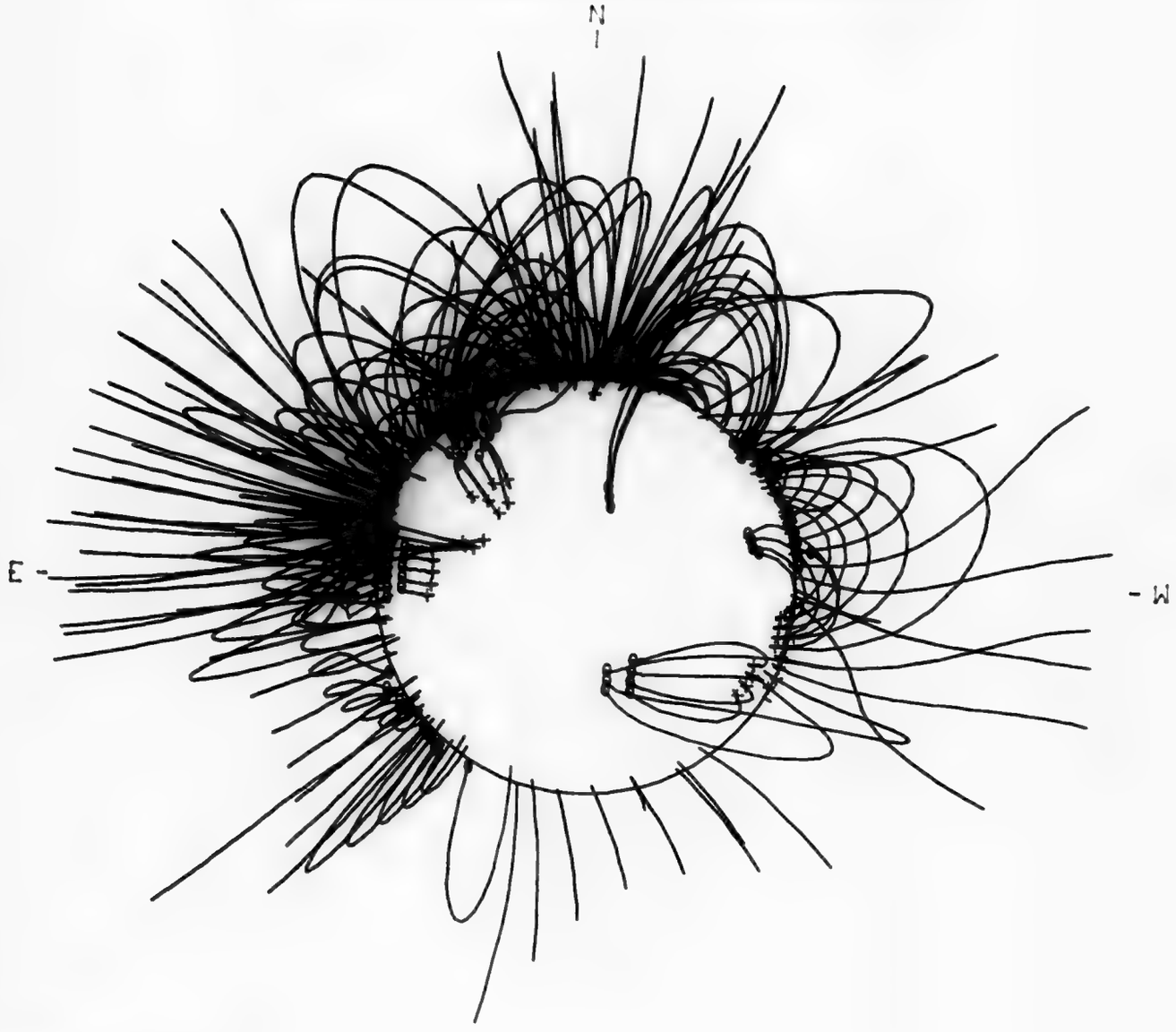
POLES DIRECT

DATA WINDOW 1.1.1.1.7

ROT. 1442 LONG. 290°

25.9 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

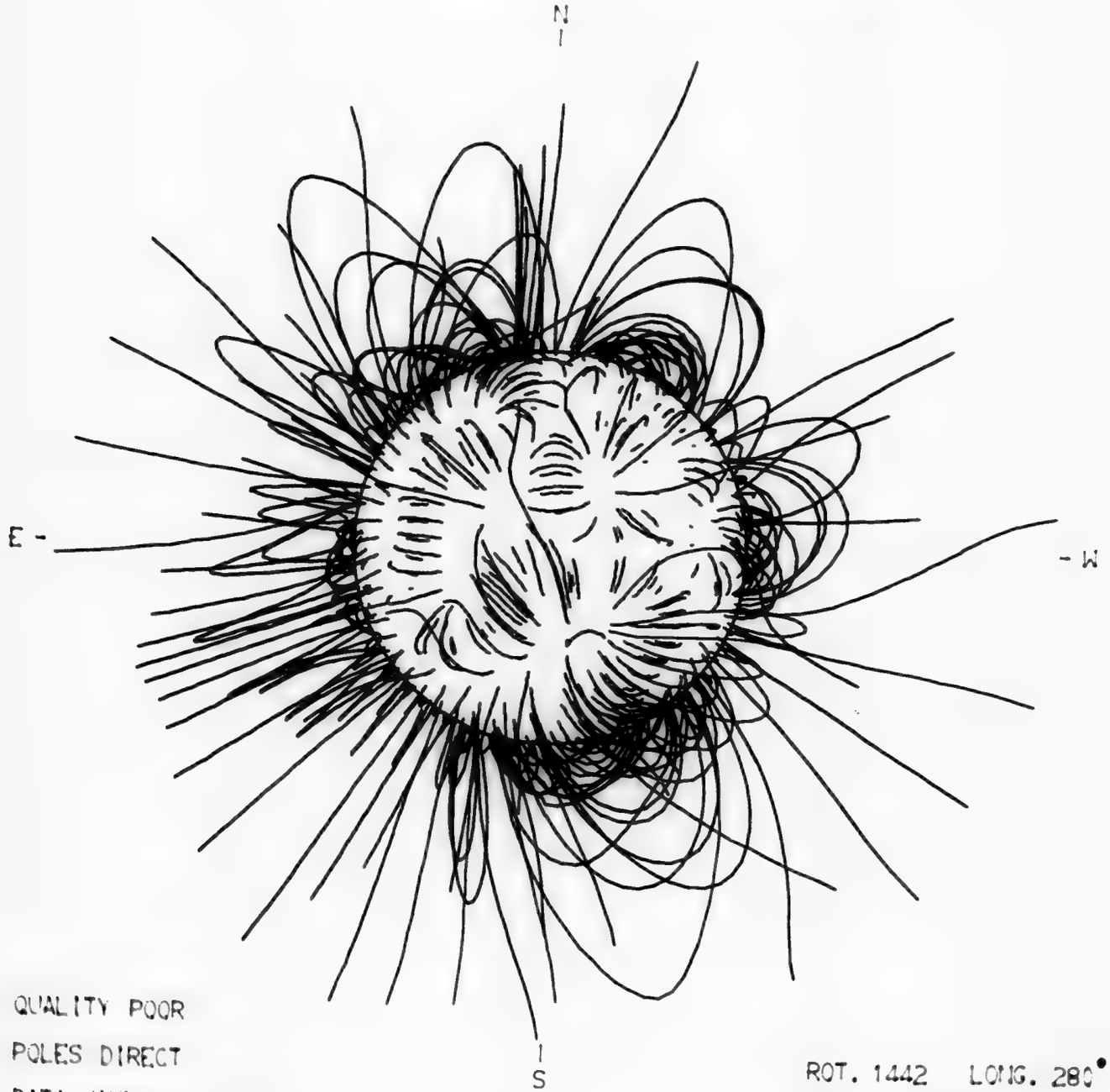
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1442 LONG. 290°

25.9 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

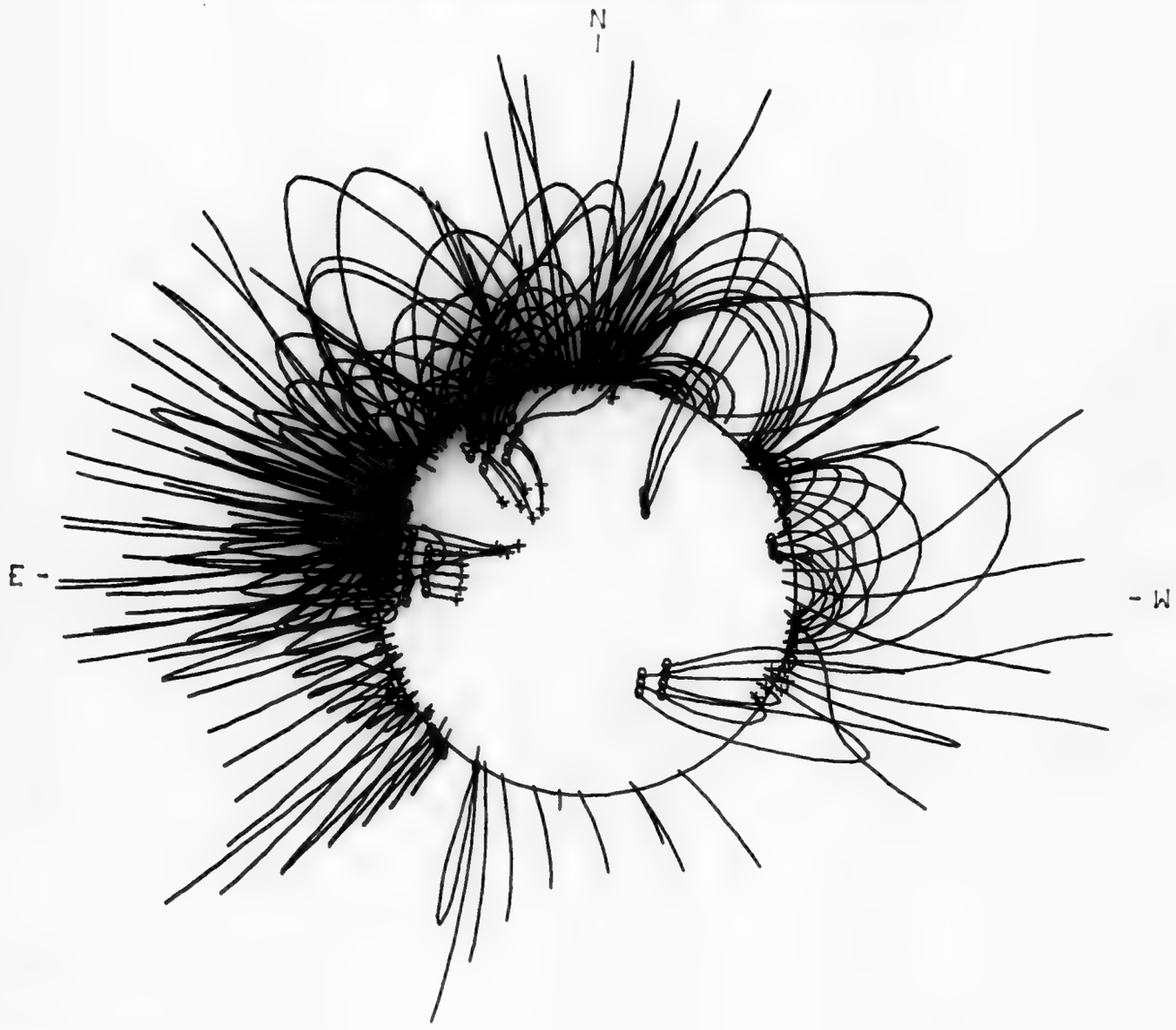
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1442 LONG. 280°

26.7 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

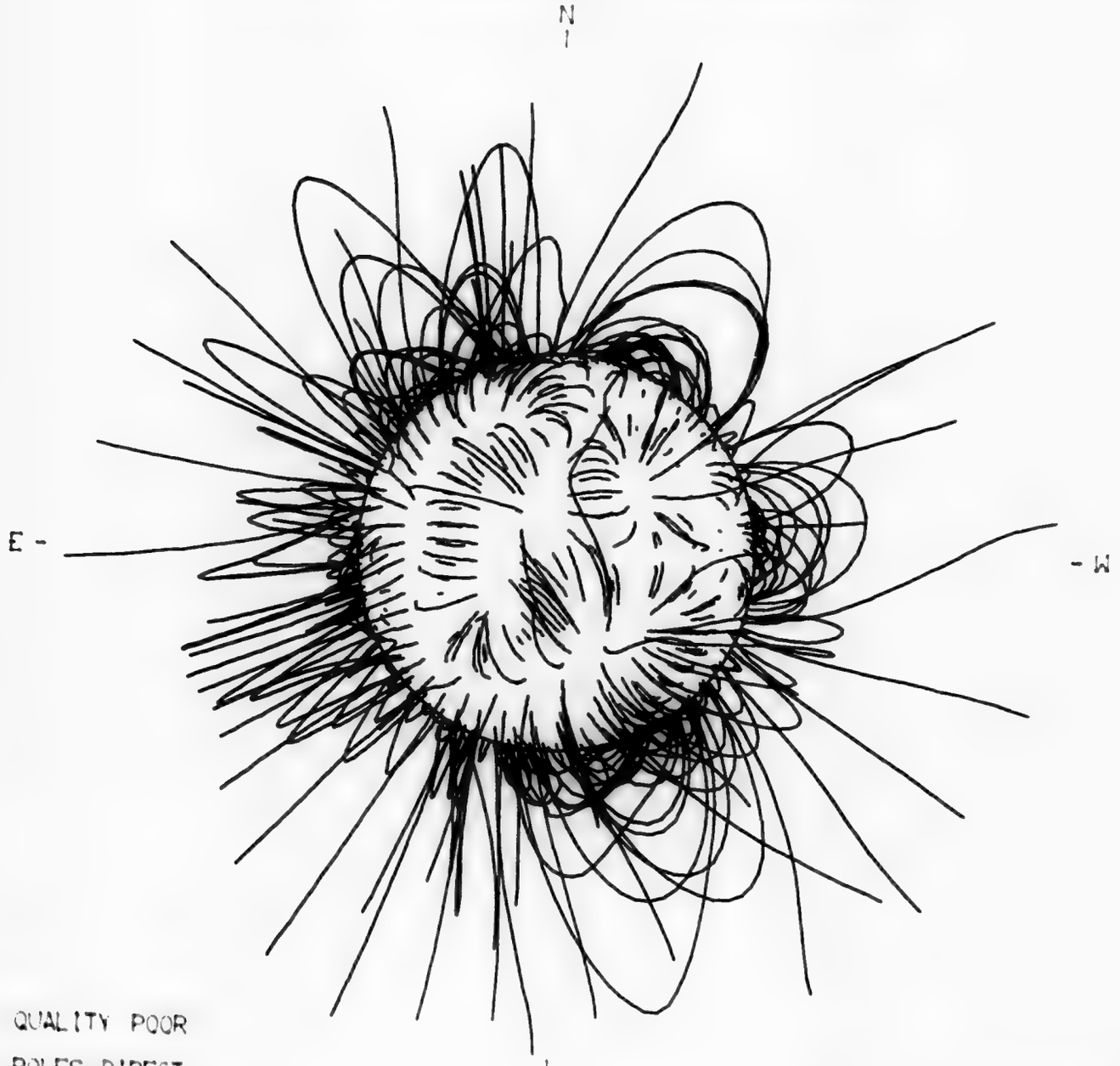
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1442 LONG. 280°

26.7 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

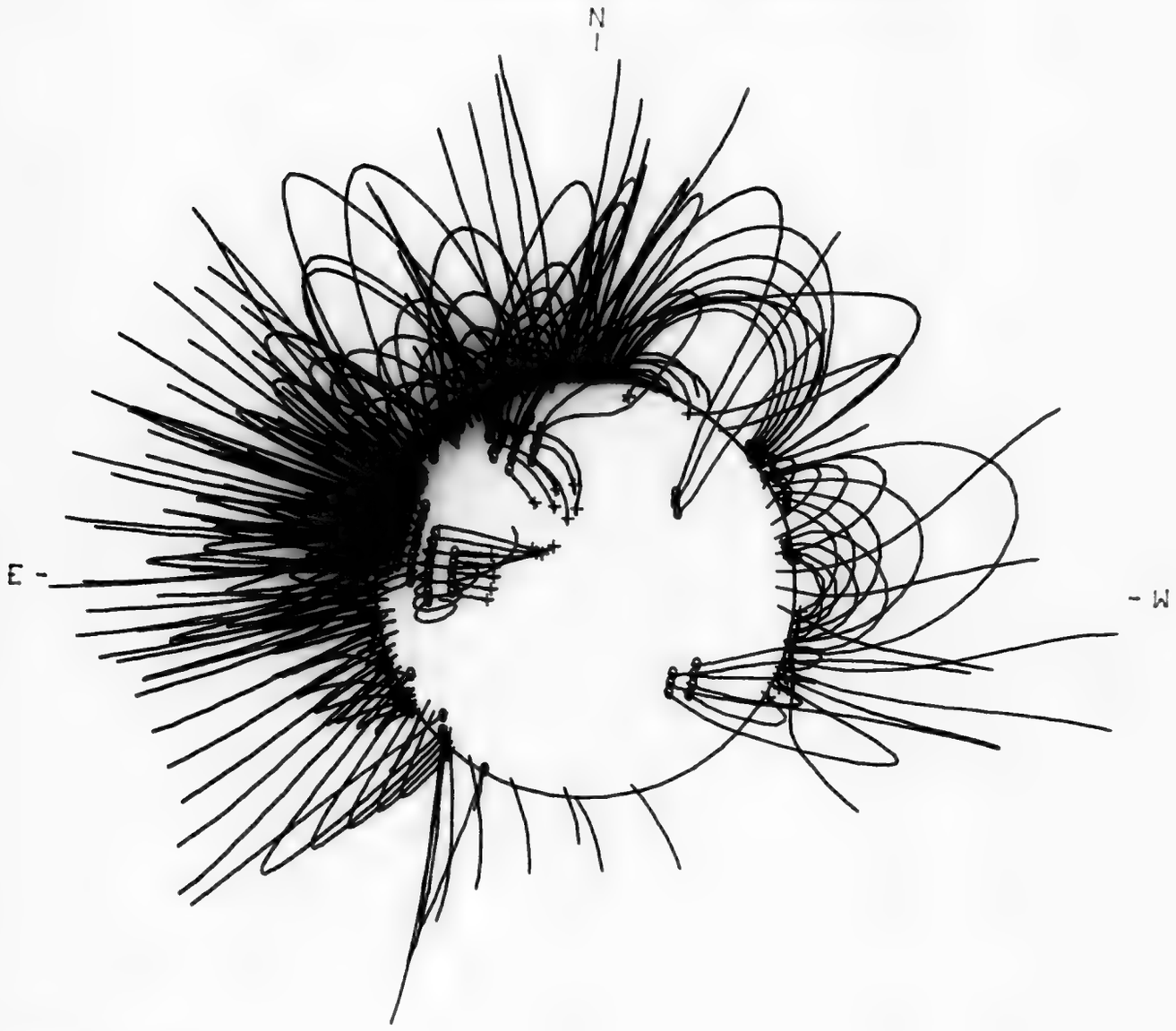
POLES DIRECT

DATA WINDOW 1441.47

ROT. 1442 LONG. 270°

27.4 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

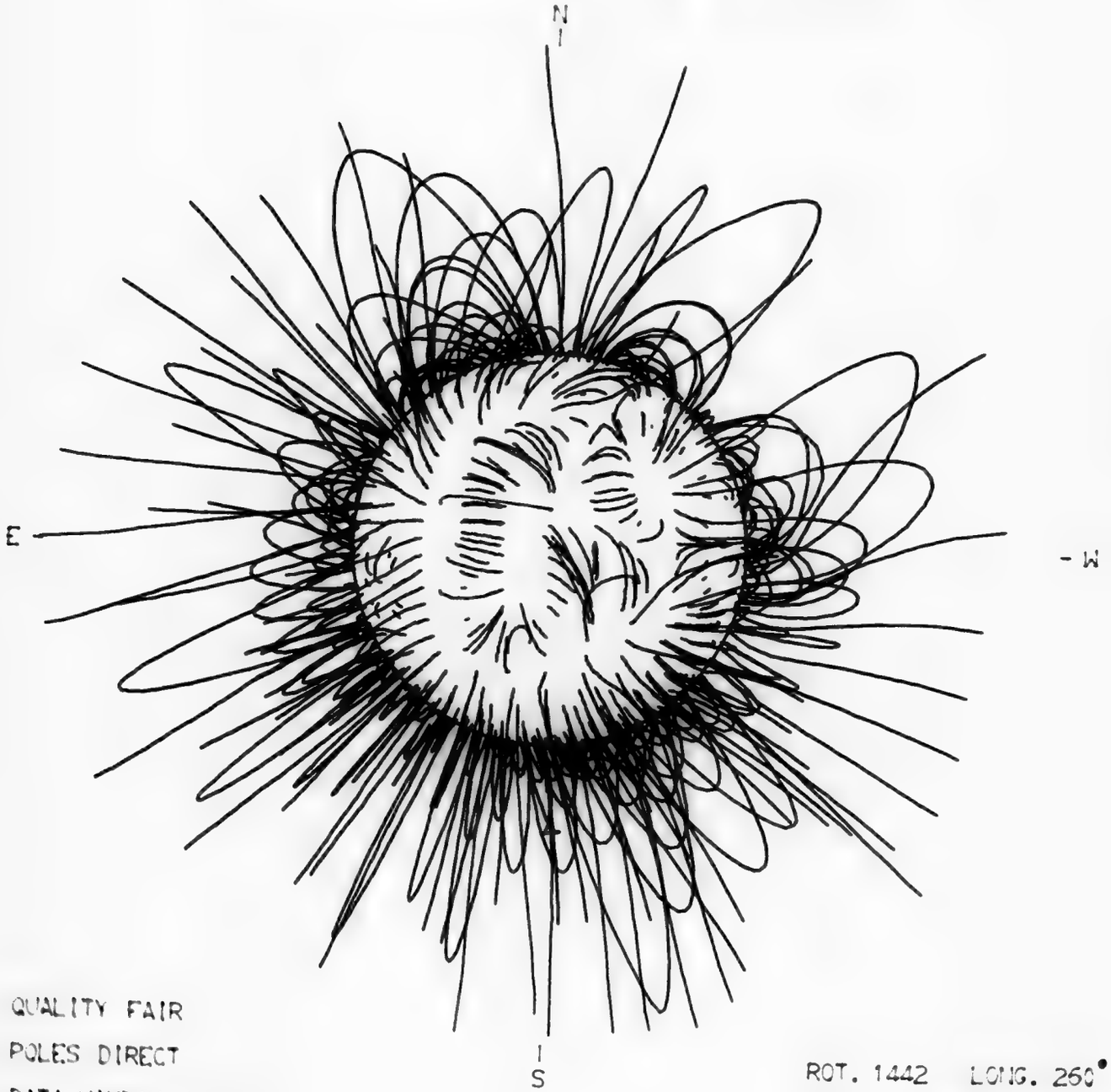
POLES DIRECT

DATA WINDOW 1.11.47

ROT. 1442 LONG. 270°

27.4 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

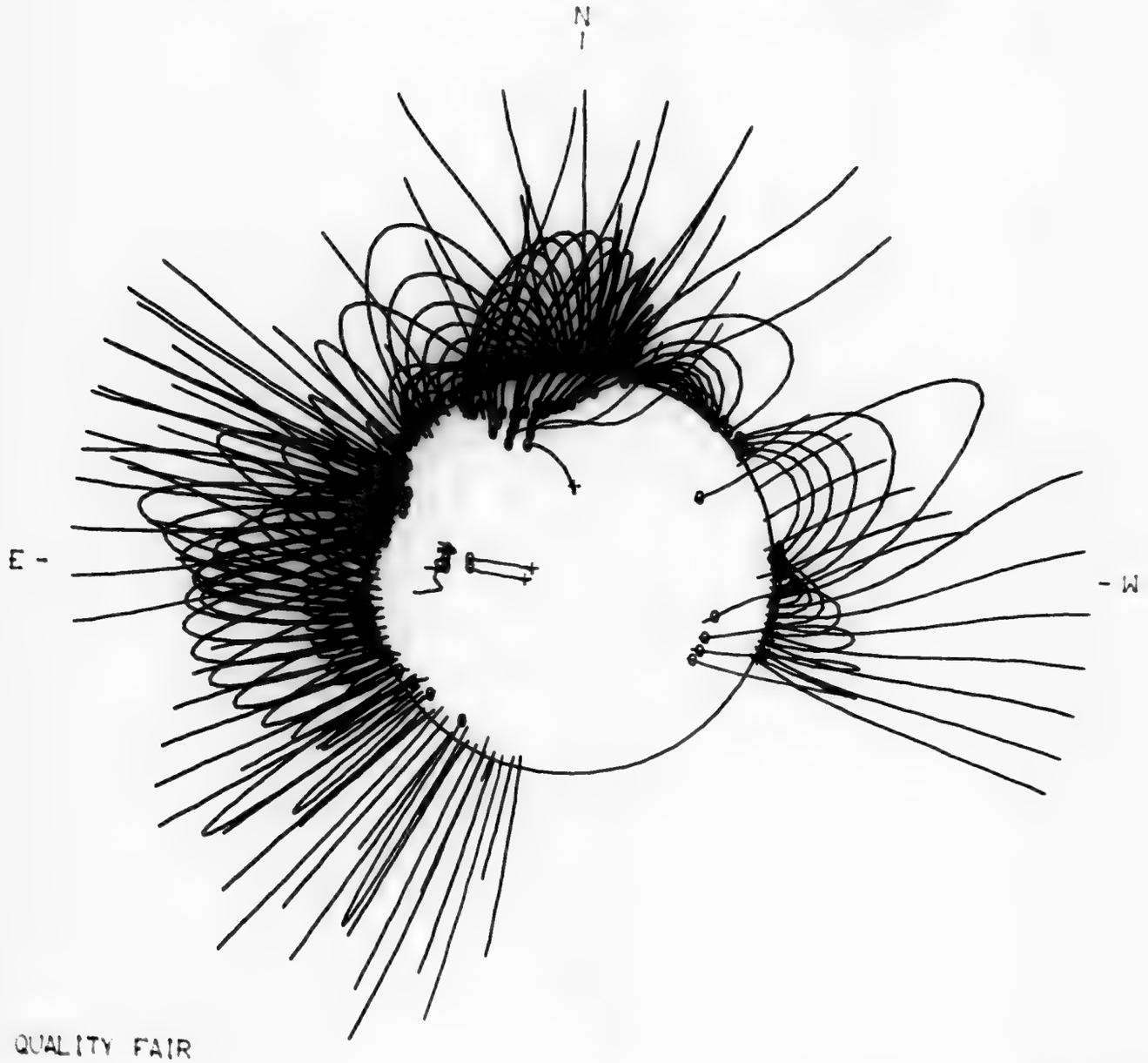
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 260°

28.1 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

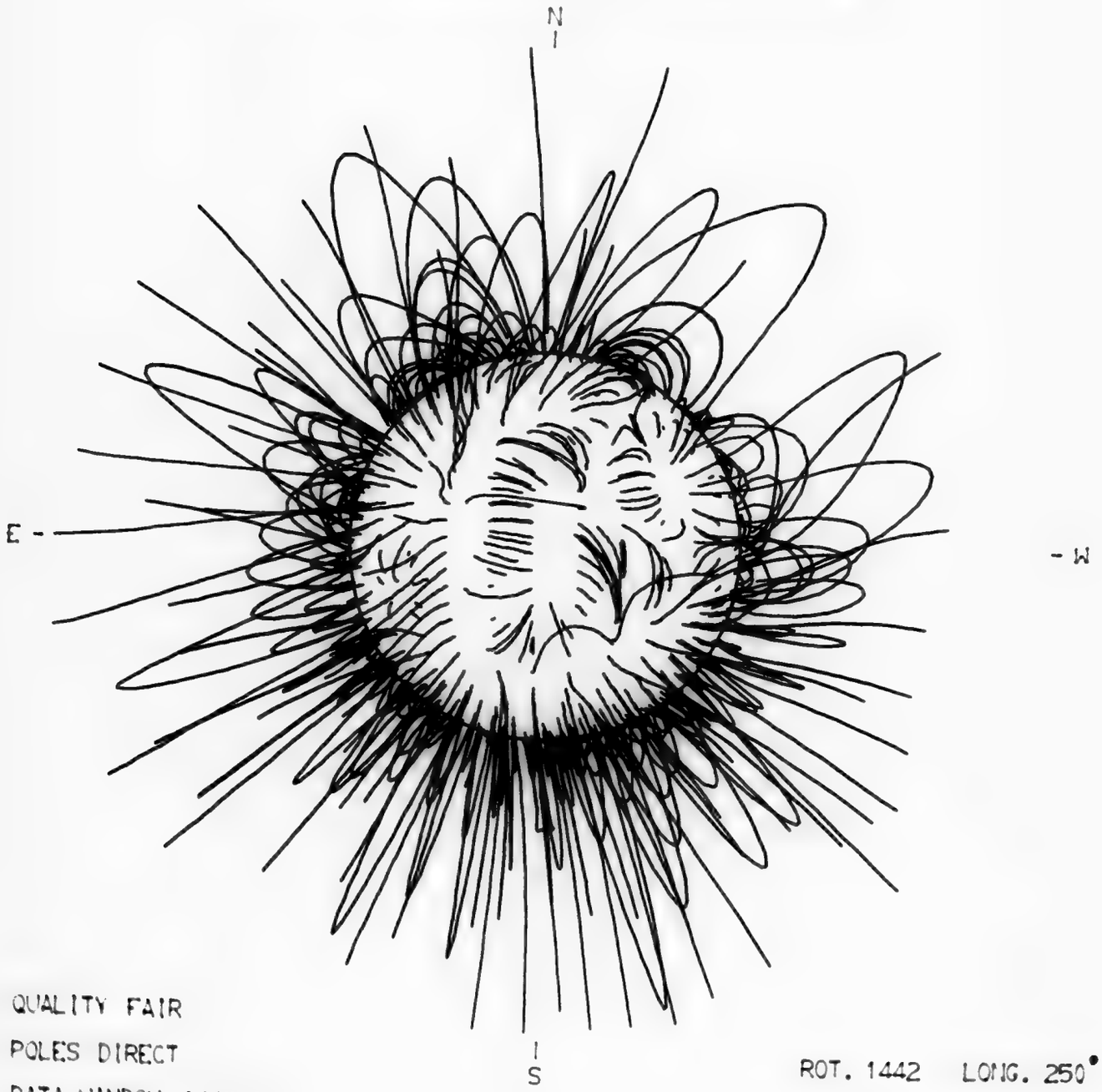
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 260°

28.1 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

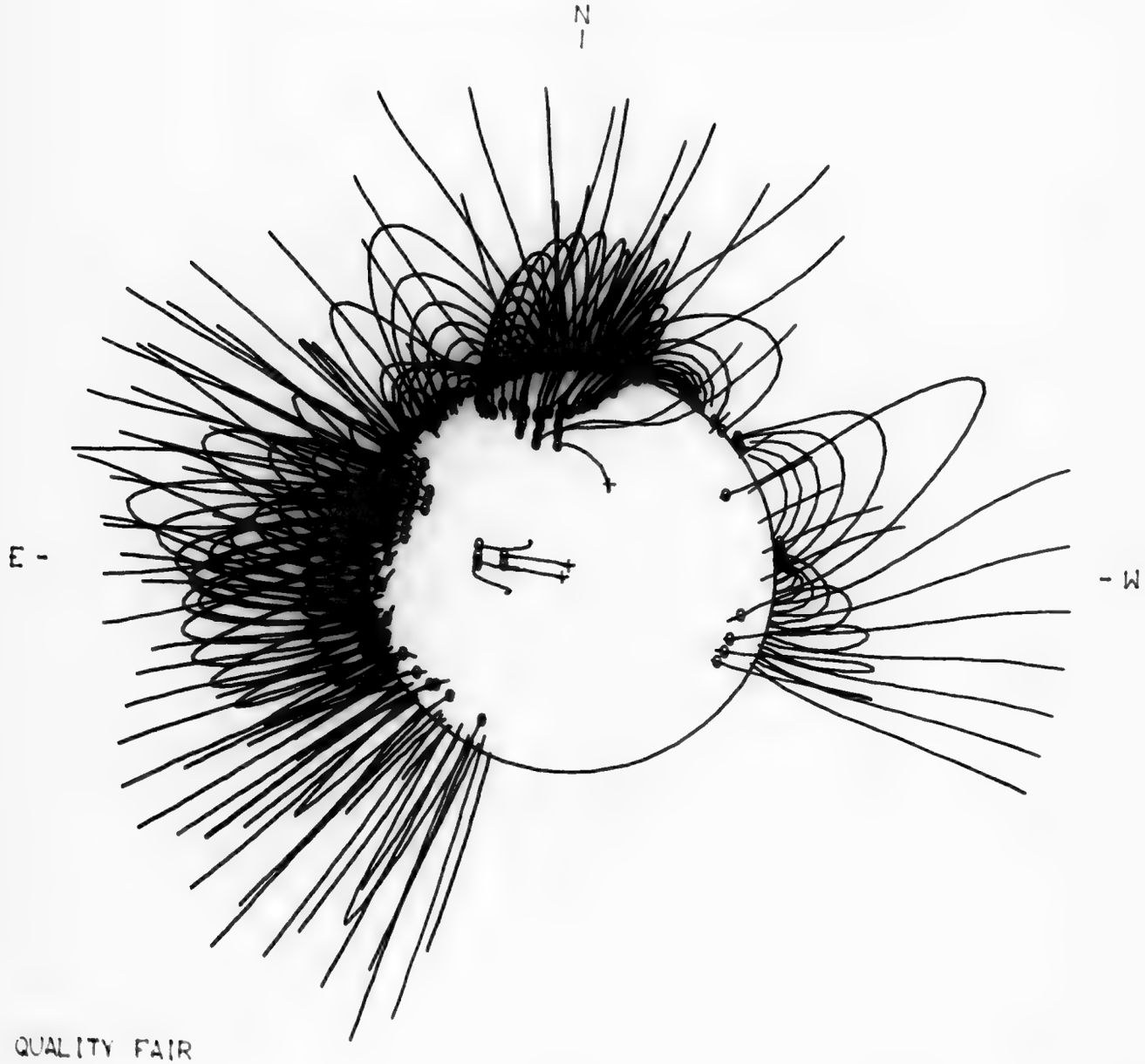
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 250°

28.9 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

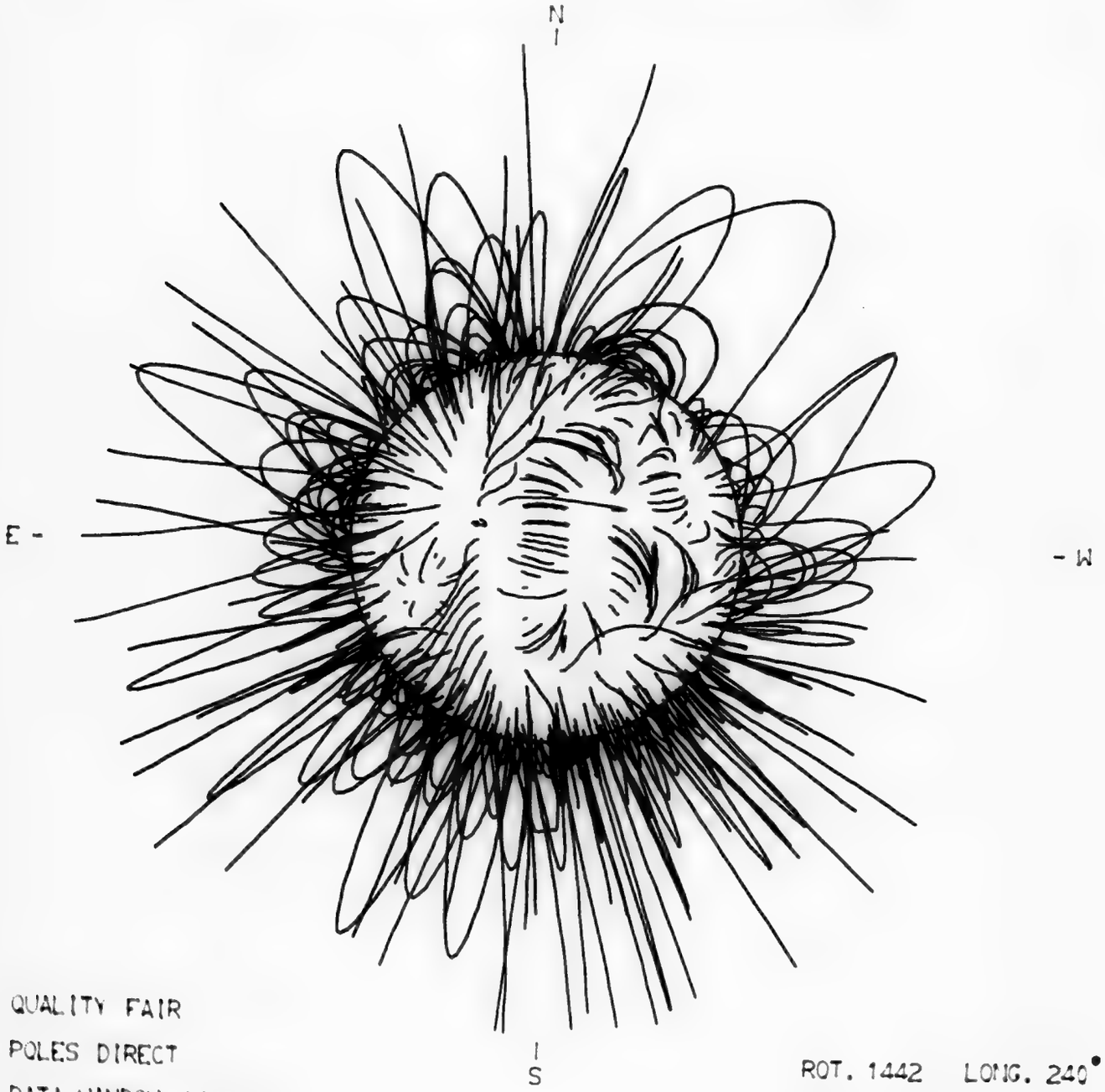
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 250°

28.9 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

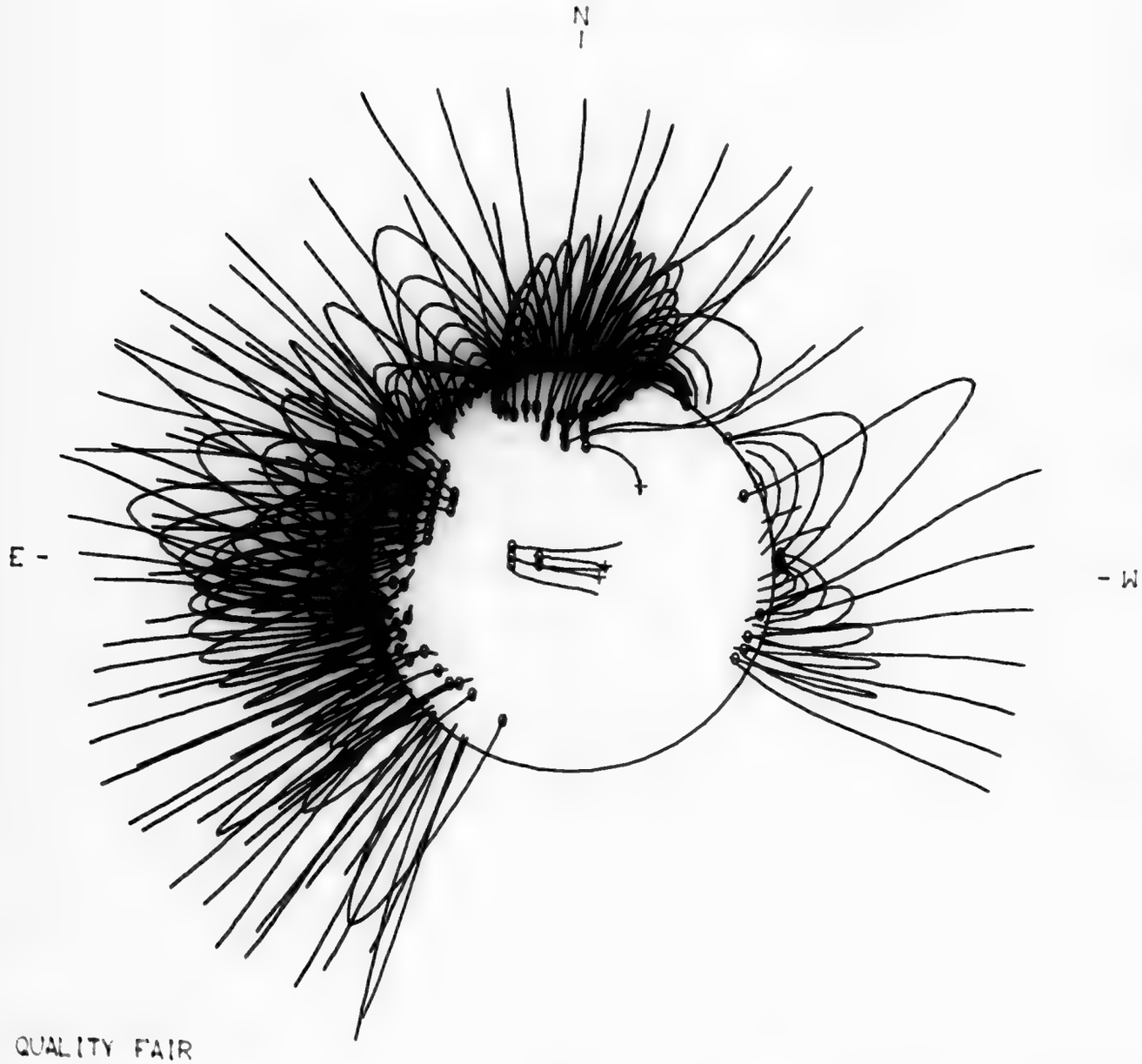
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 240°

29.6 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

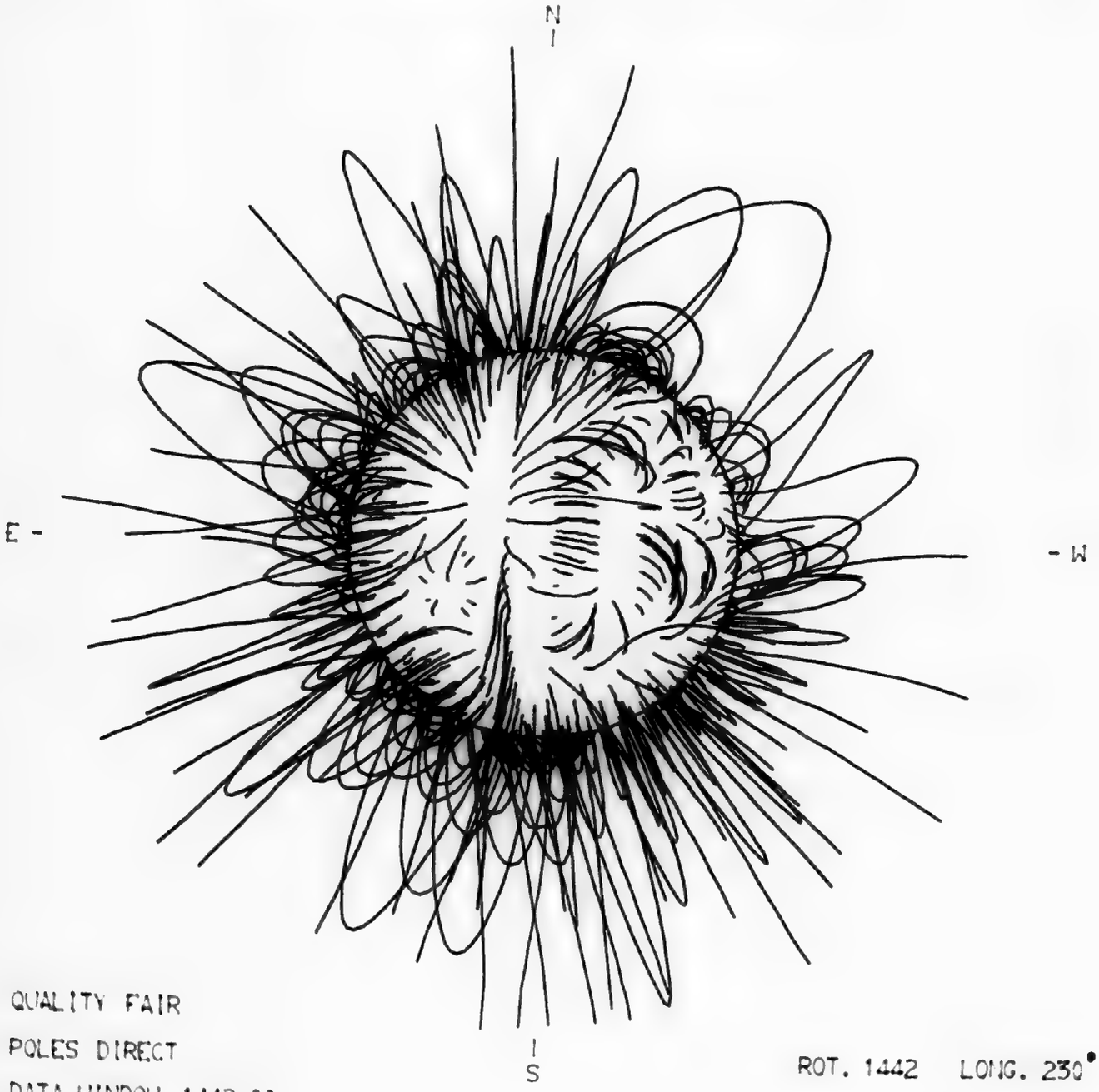
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 240°

29.6 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

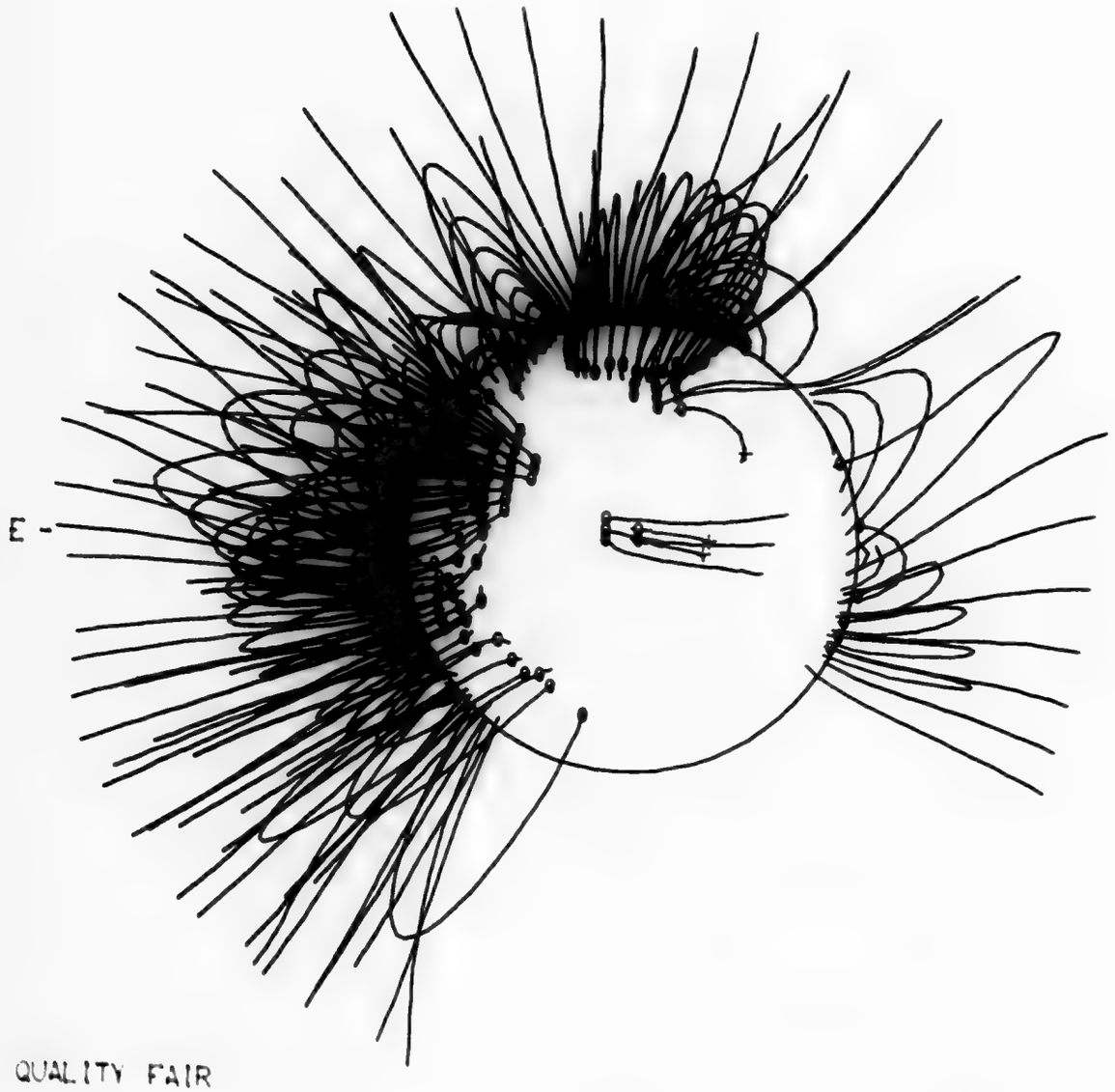
DATA WINDOW 1442.00

ROT. 1442 LONG. 230°

30.4 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



QUALITY FAIR

POLES DIRECT

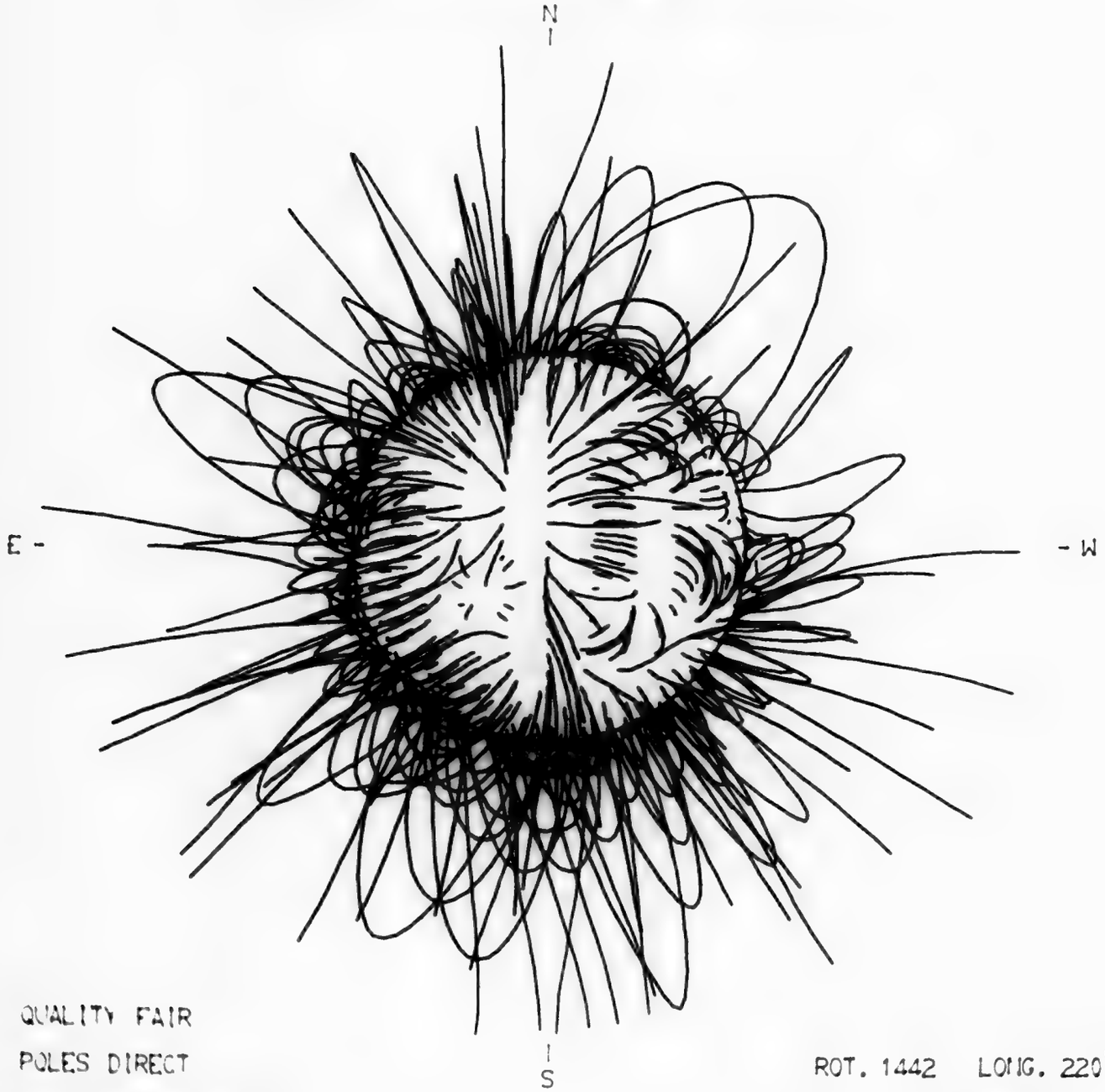
DATA WINDOW 1442.00

S

ROT. 1442 LONG. 230°

30.4 JUN 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

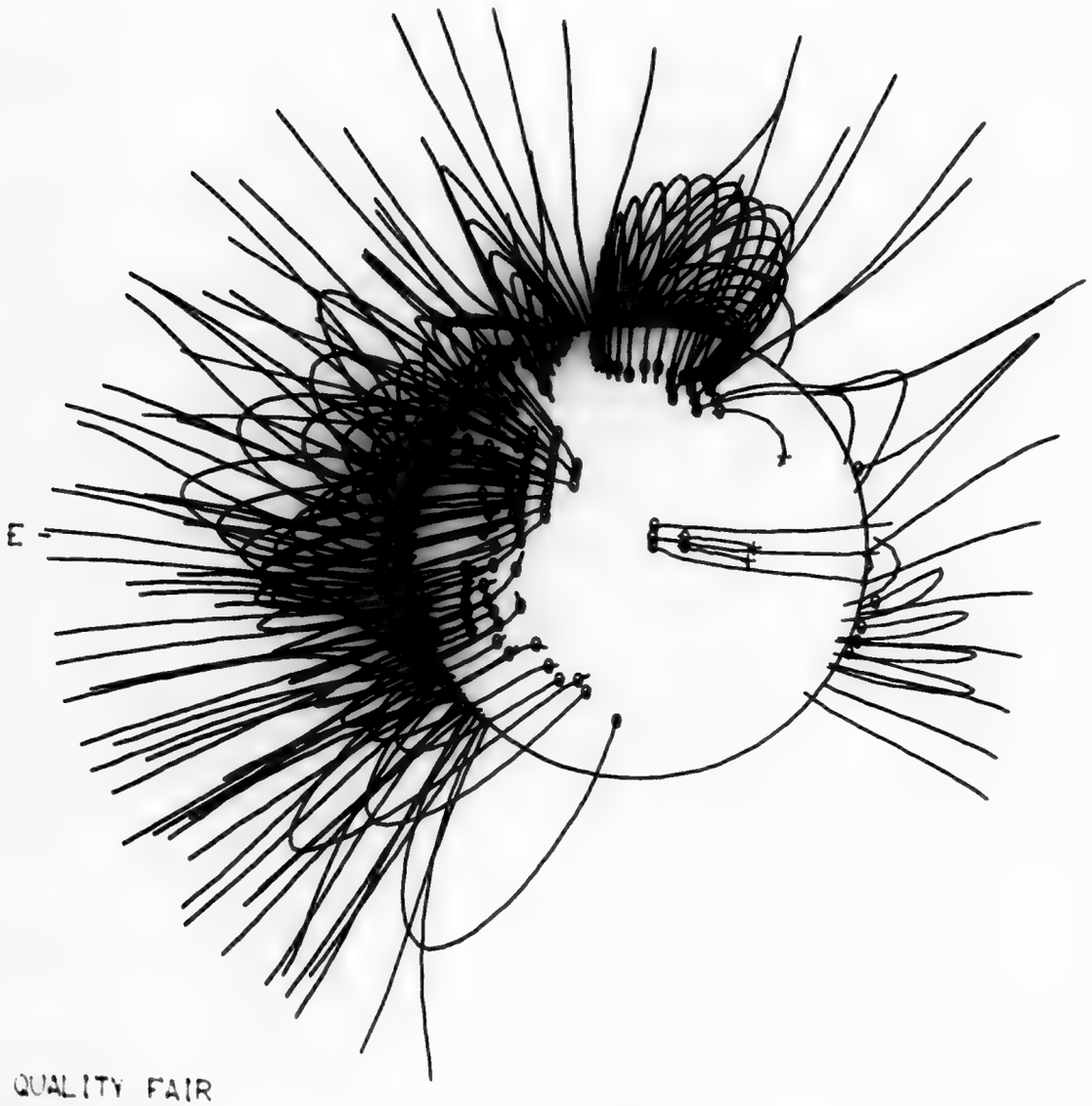
DATA WINDOW 1442.00

ROT. 1442 LONG. 220°

1.2 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E

W

S

QUALITY FAIR

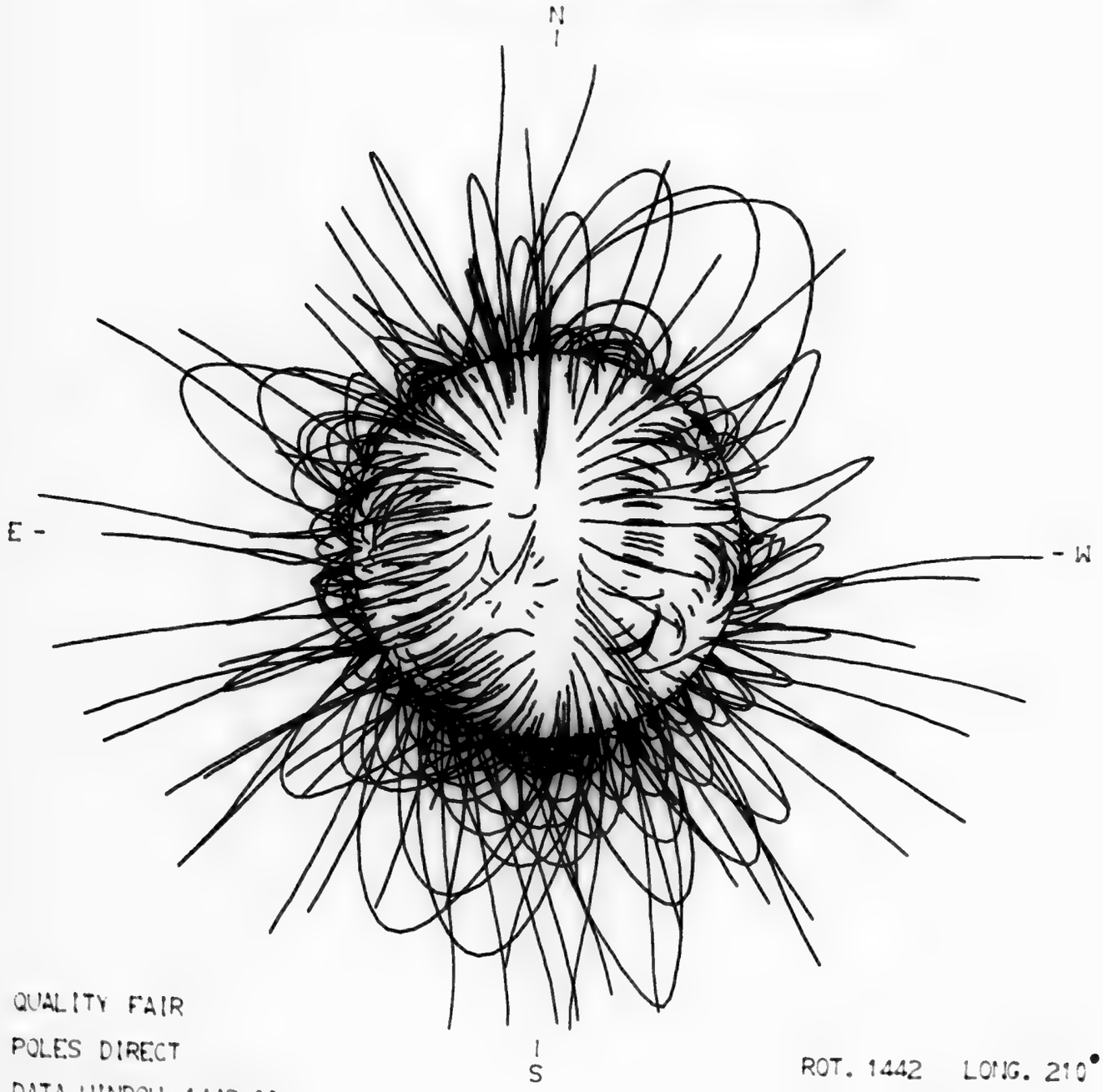
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 220°

12 JUL 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

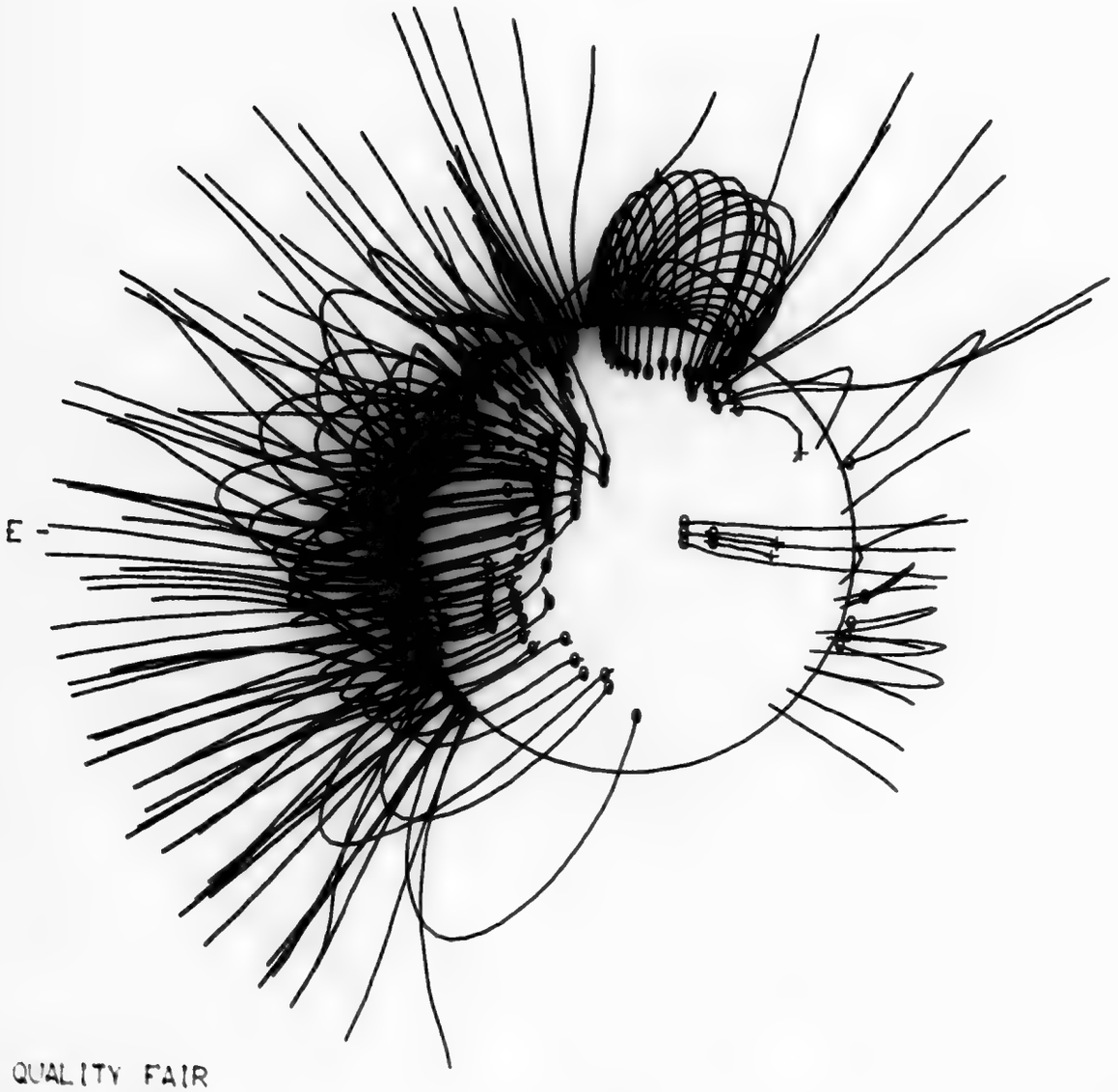
DATA WINDOW 1442.00

ROT. 1442 LONG. 210°

19 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E

W

S

QUALITY FAIR

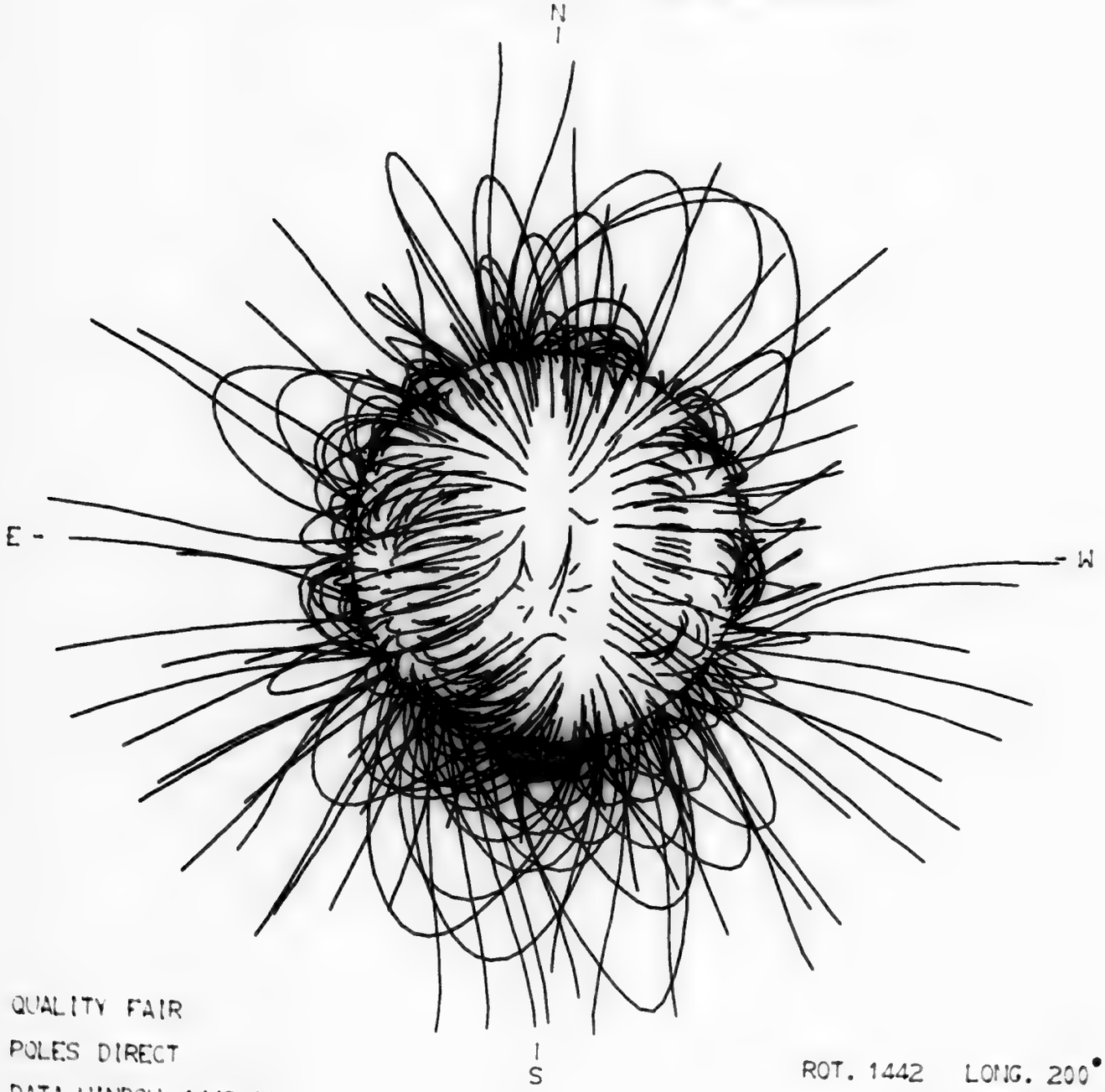
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 210°

19 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

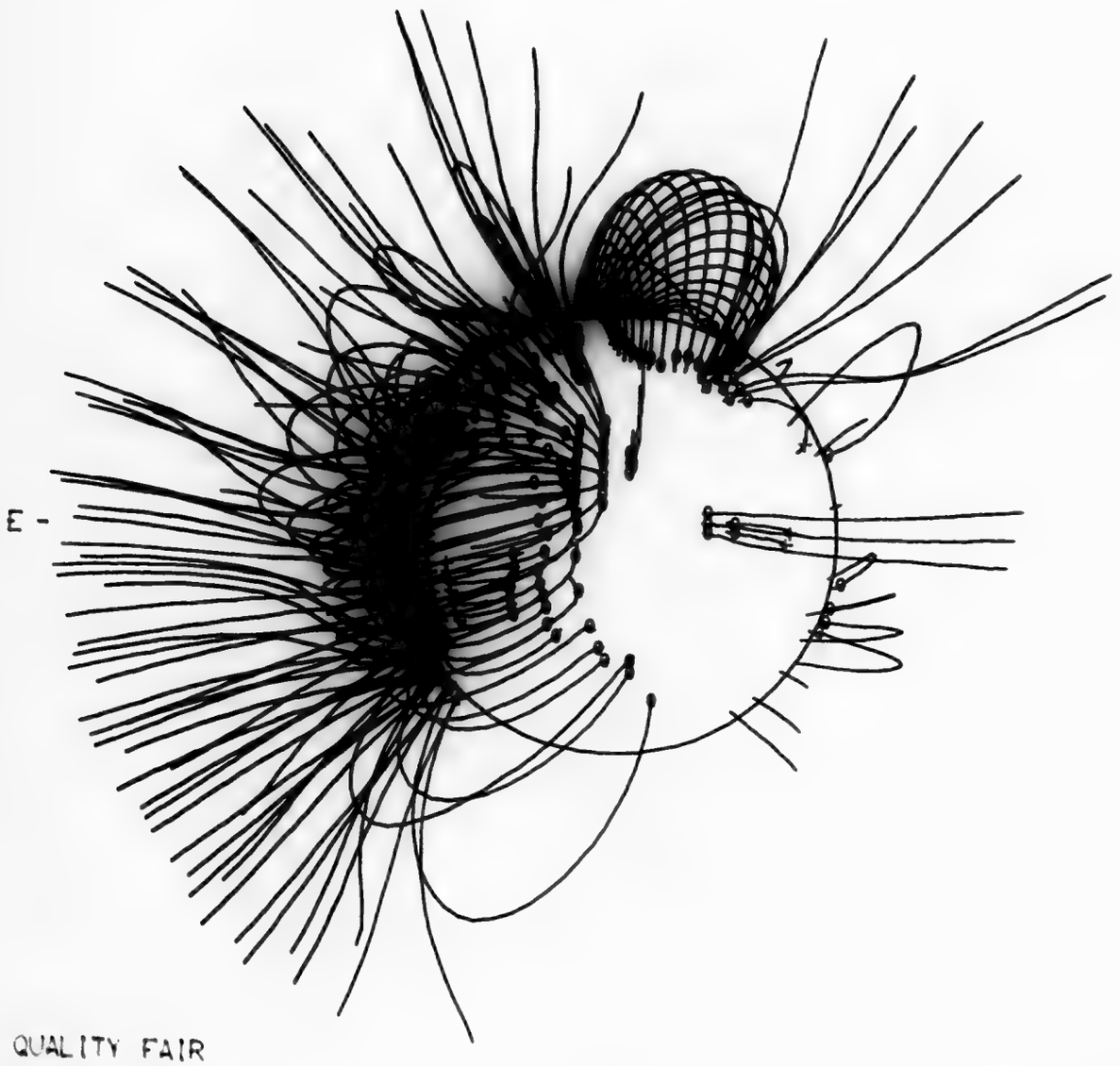
DATA WINDOW 1442.00

ROT. 1442 LONG. 200°

27 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



QUALITY FAIR

POLES DIRECT

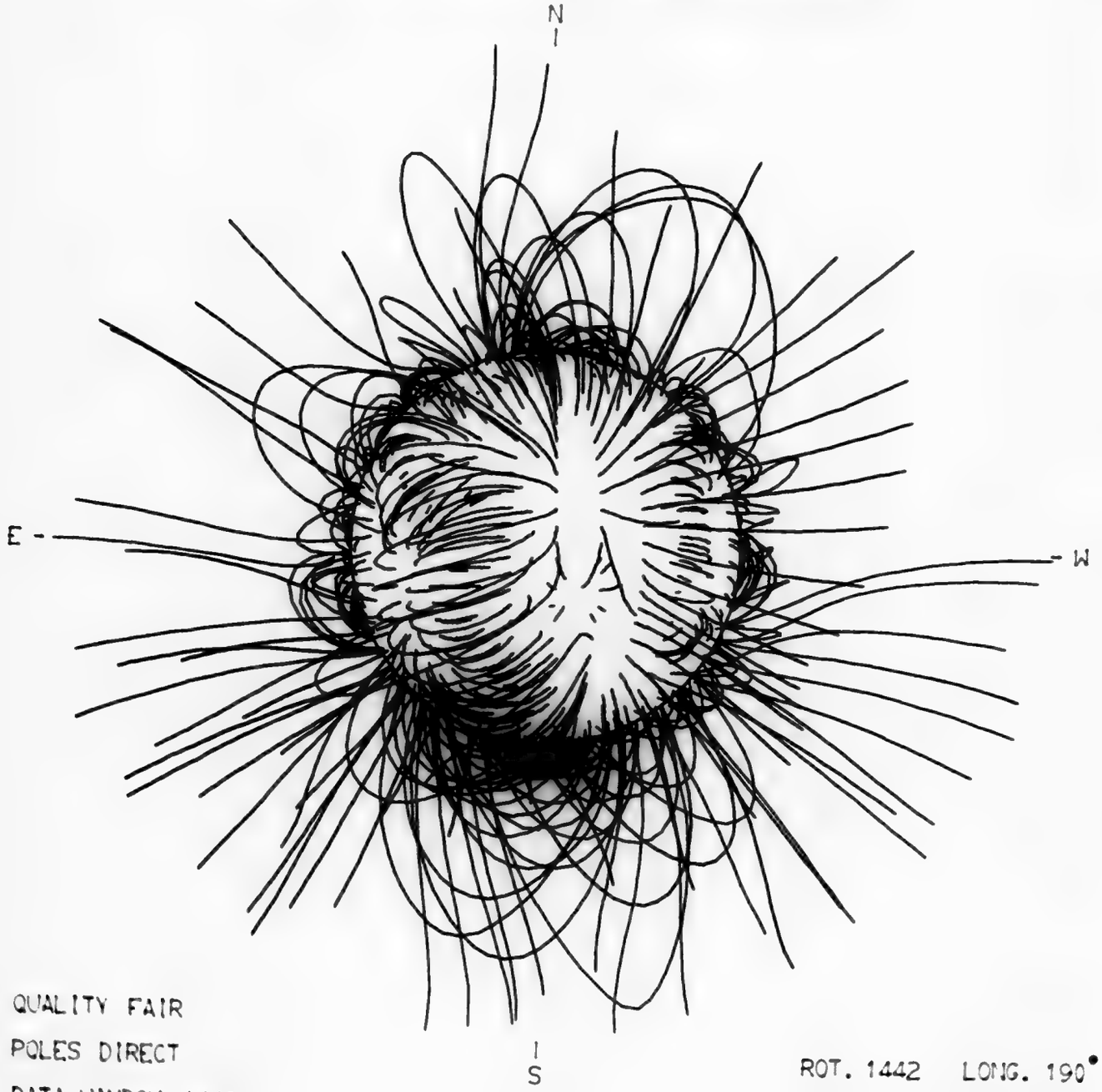
DATA WINDOW 1442.00

S

ROT. 1442 LONG. 200°

27 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 190°

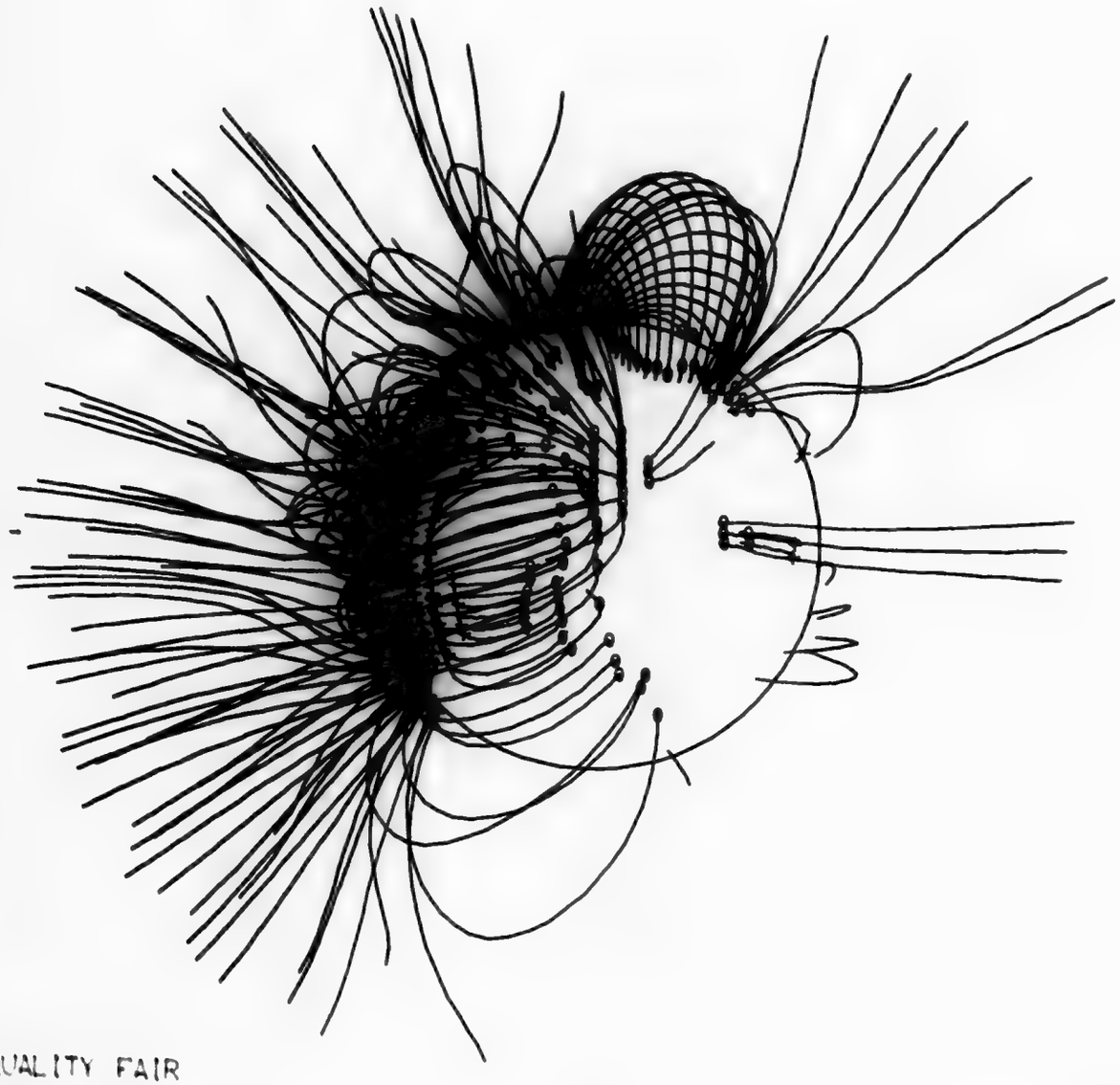
3.4 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY FAIR

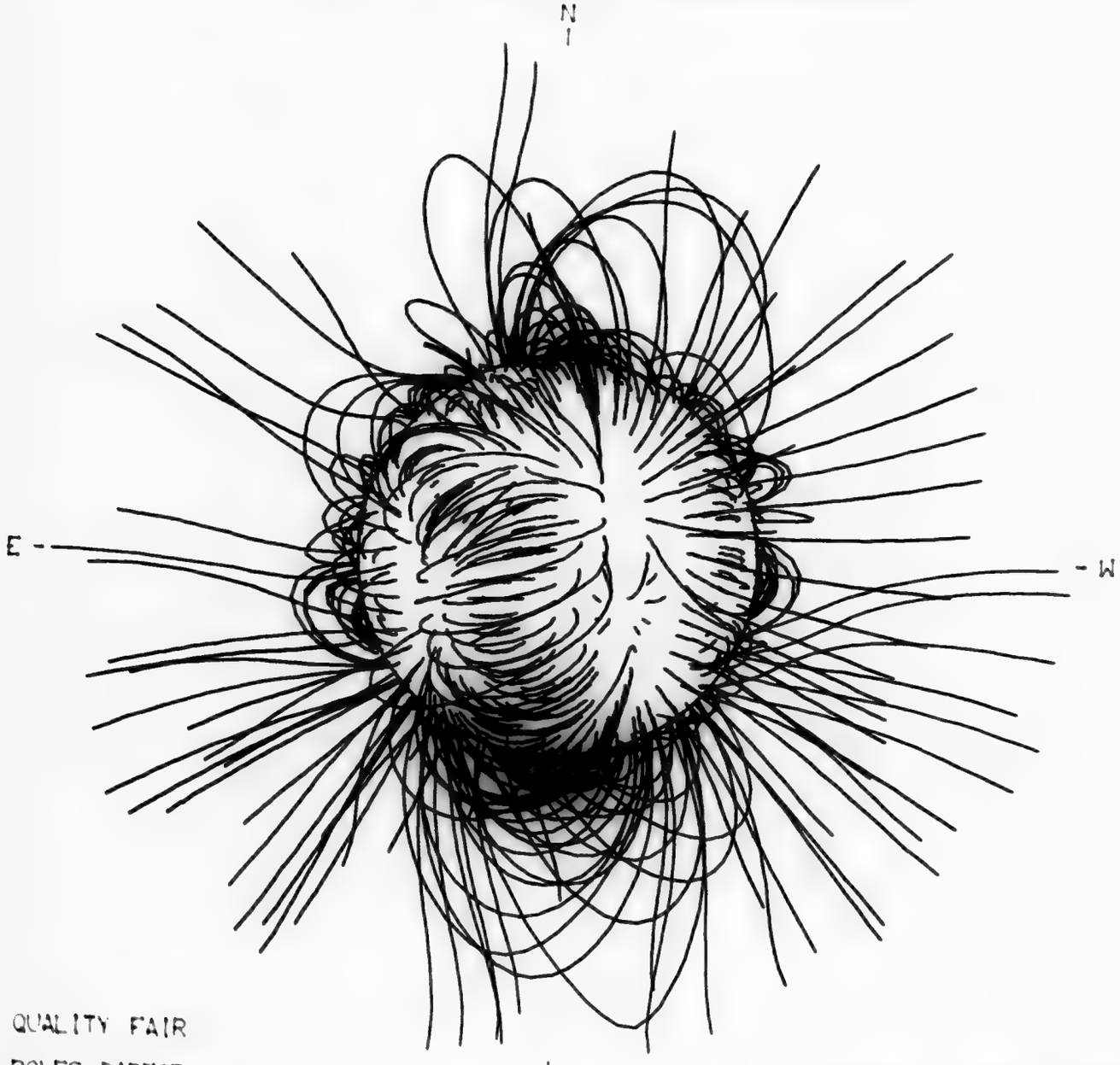
POLES DIRECT

DATA WINDOW 1.1.2.00

ROT. 1442 LONG. 190°

3.4 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

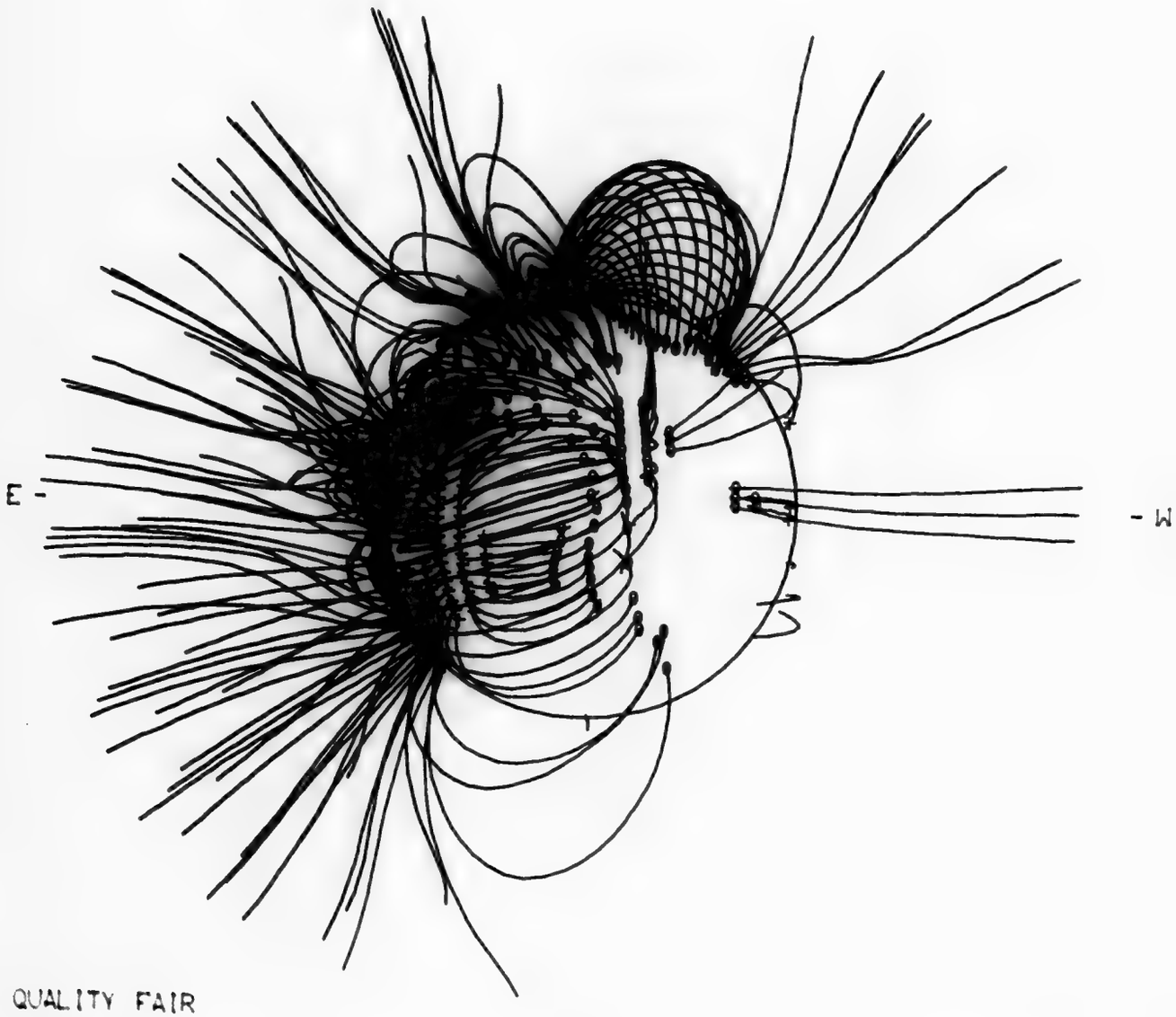
DATA WINDOW 1442.00

ROT. 1442 LONG. 180°

4.2 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



S

QUALITY FAIR

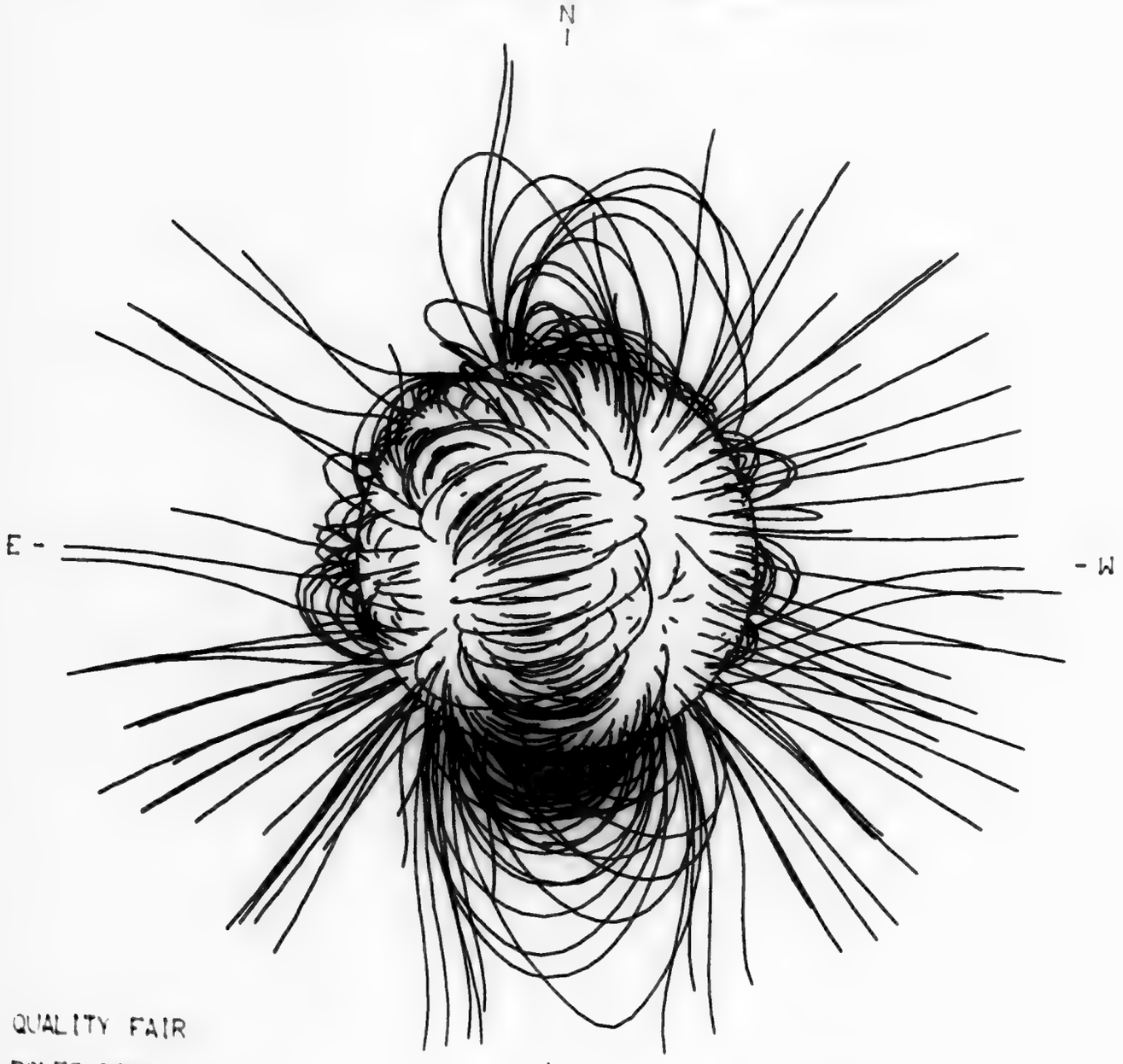
POLES DIRECT

DATA WINDOW 1.442.00

ROT. 1442 LONG. 180°

4.2 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

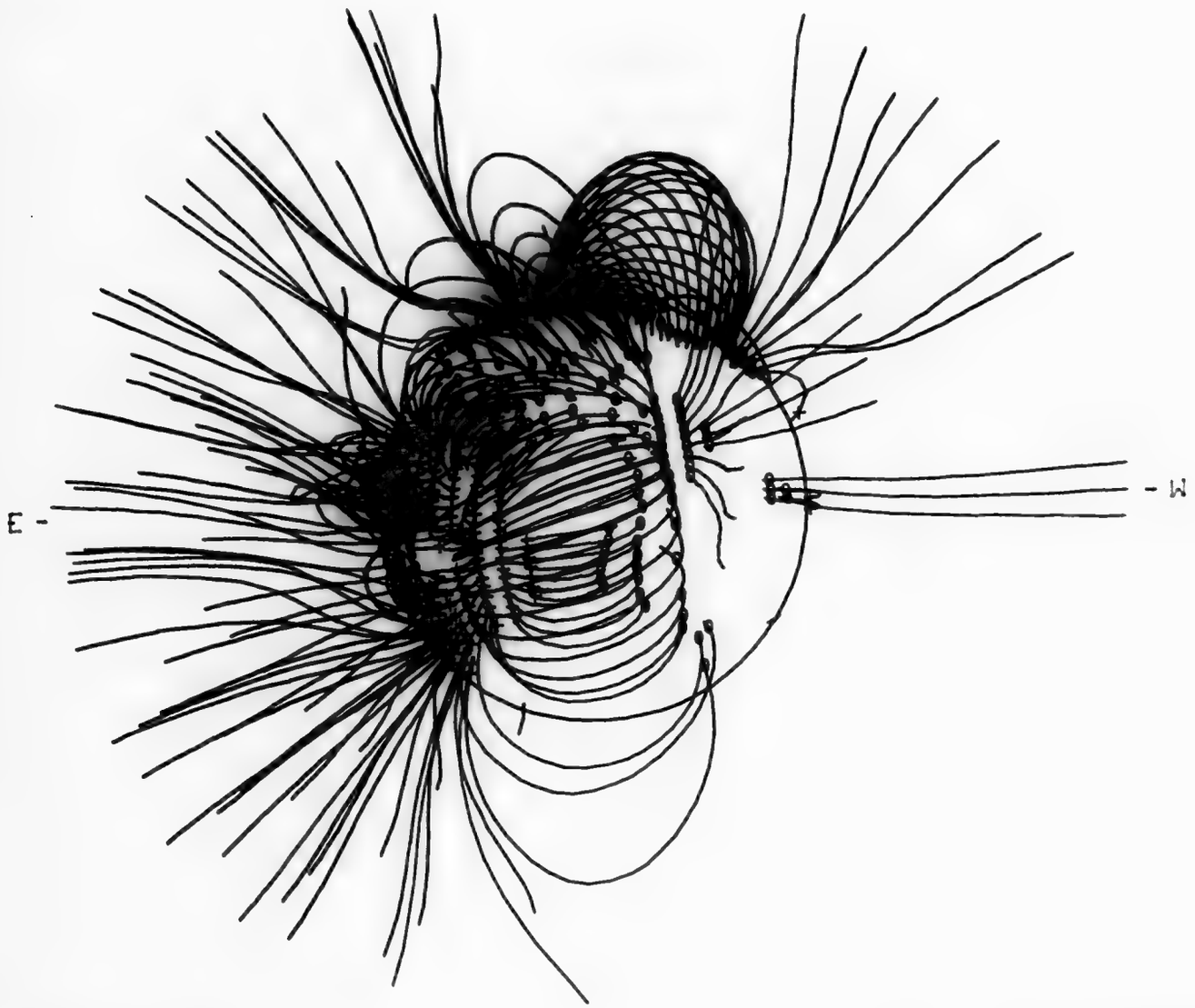
DATA WINDOW 1442.00

ROT. 1442 LONG. 170°

4.9 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



S

QUALITY FAIR

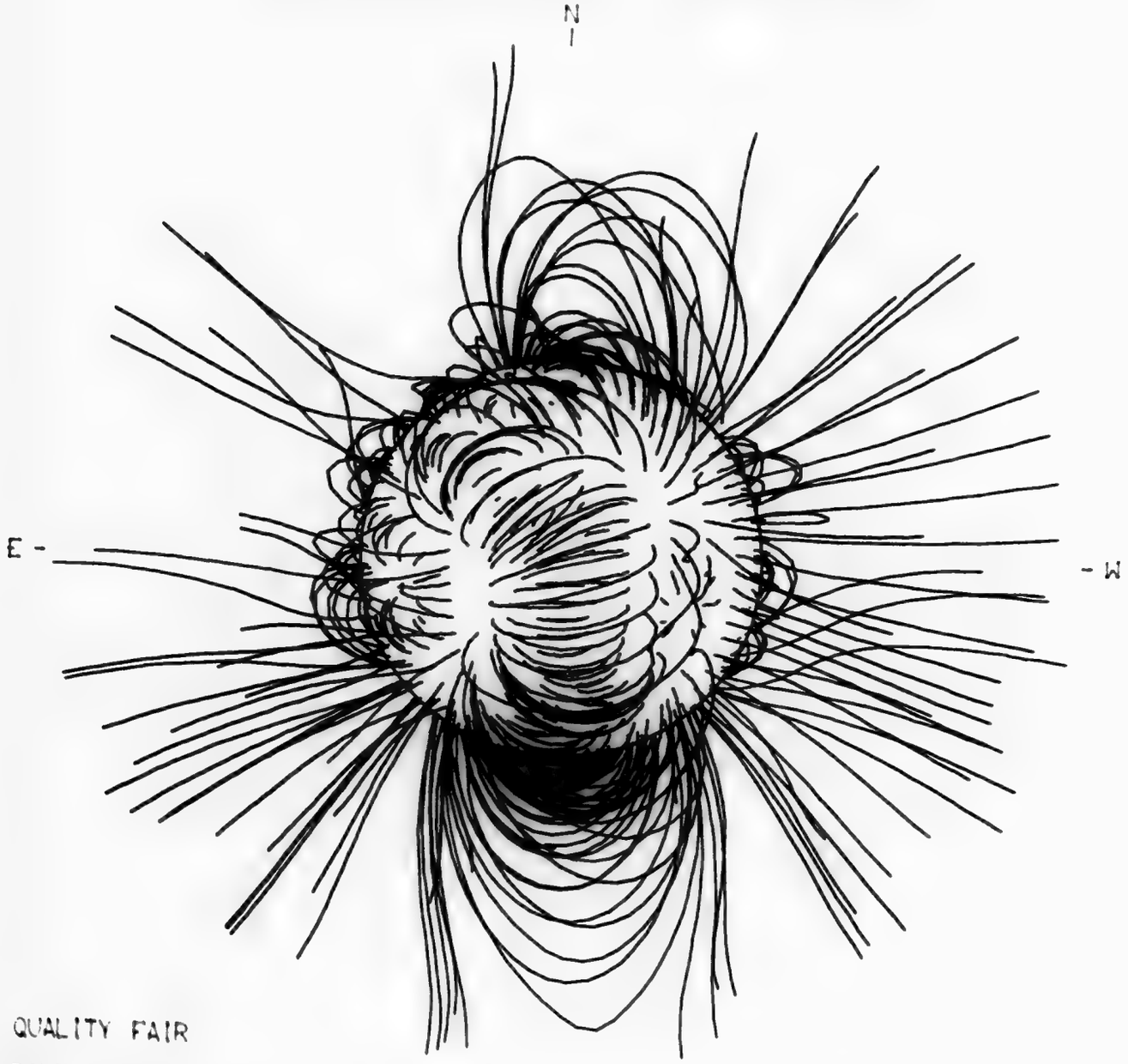
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 170°

4.9 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

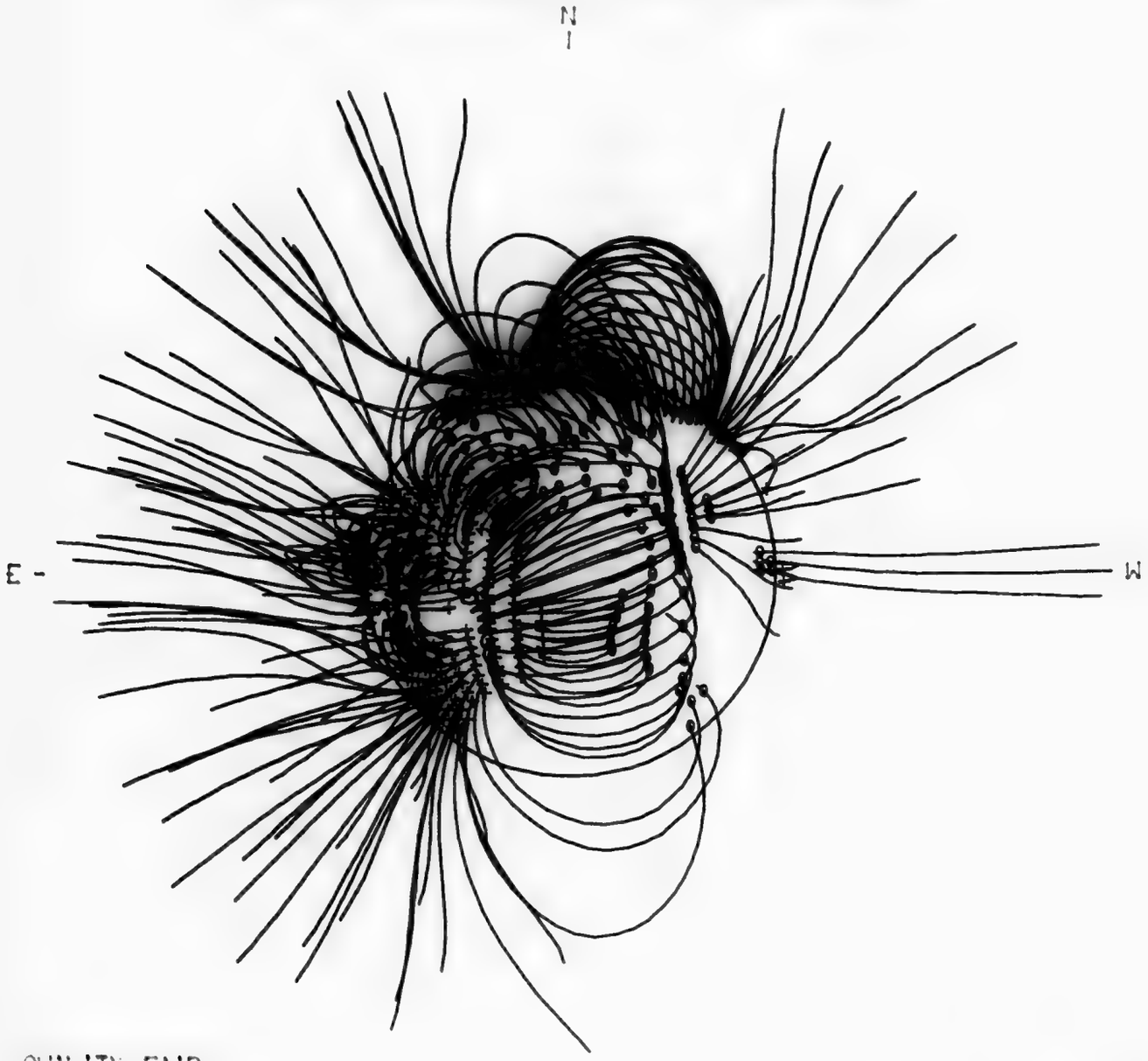
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 160°

5.7 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

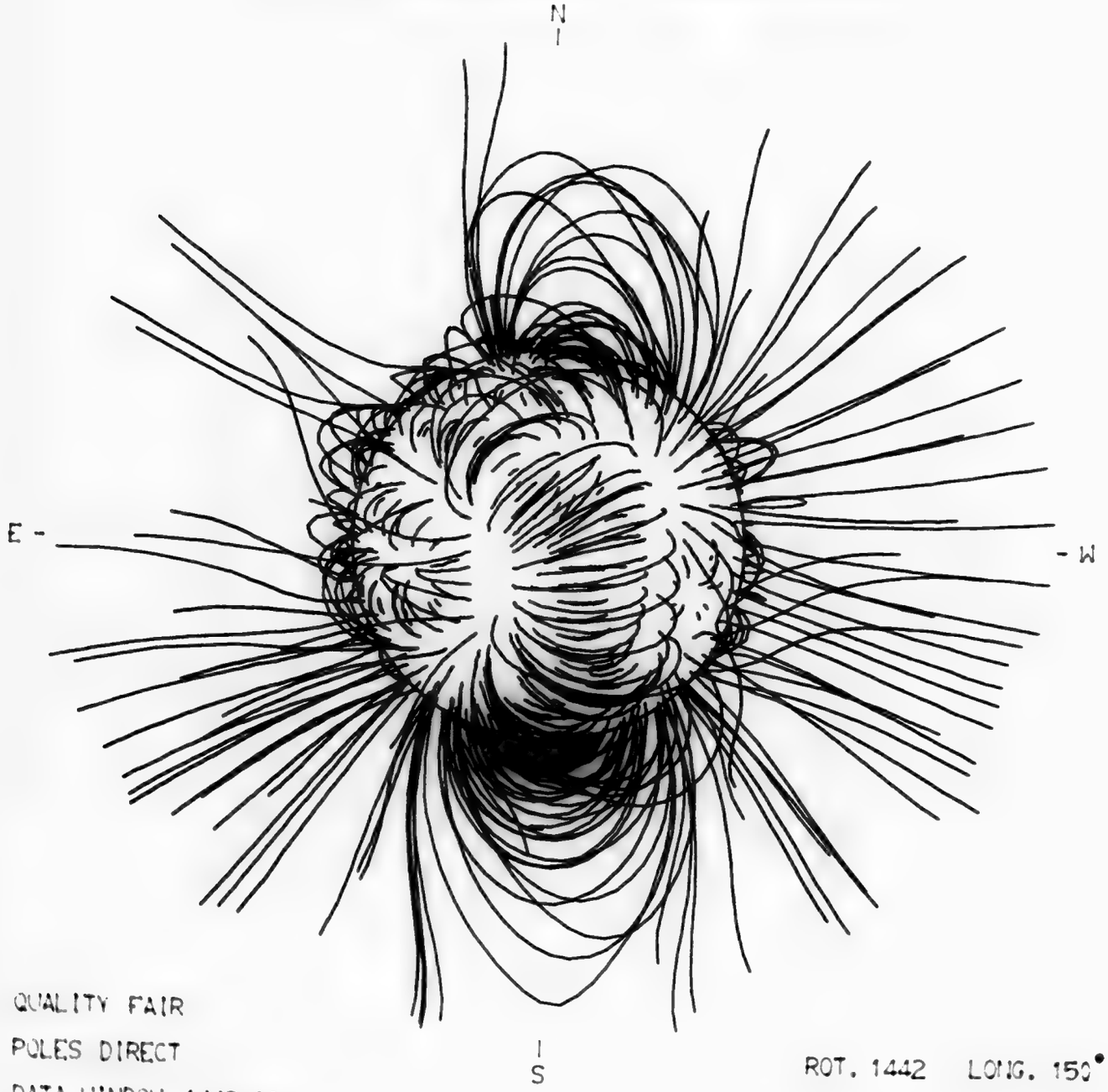
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 160°

5.7 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

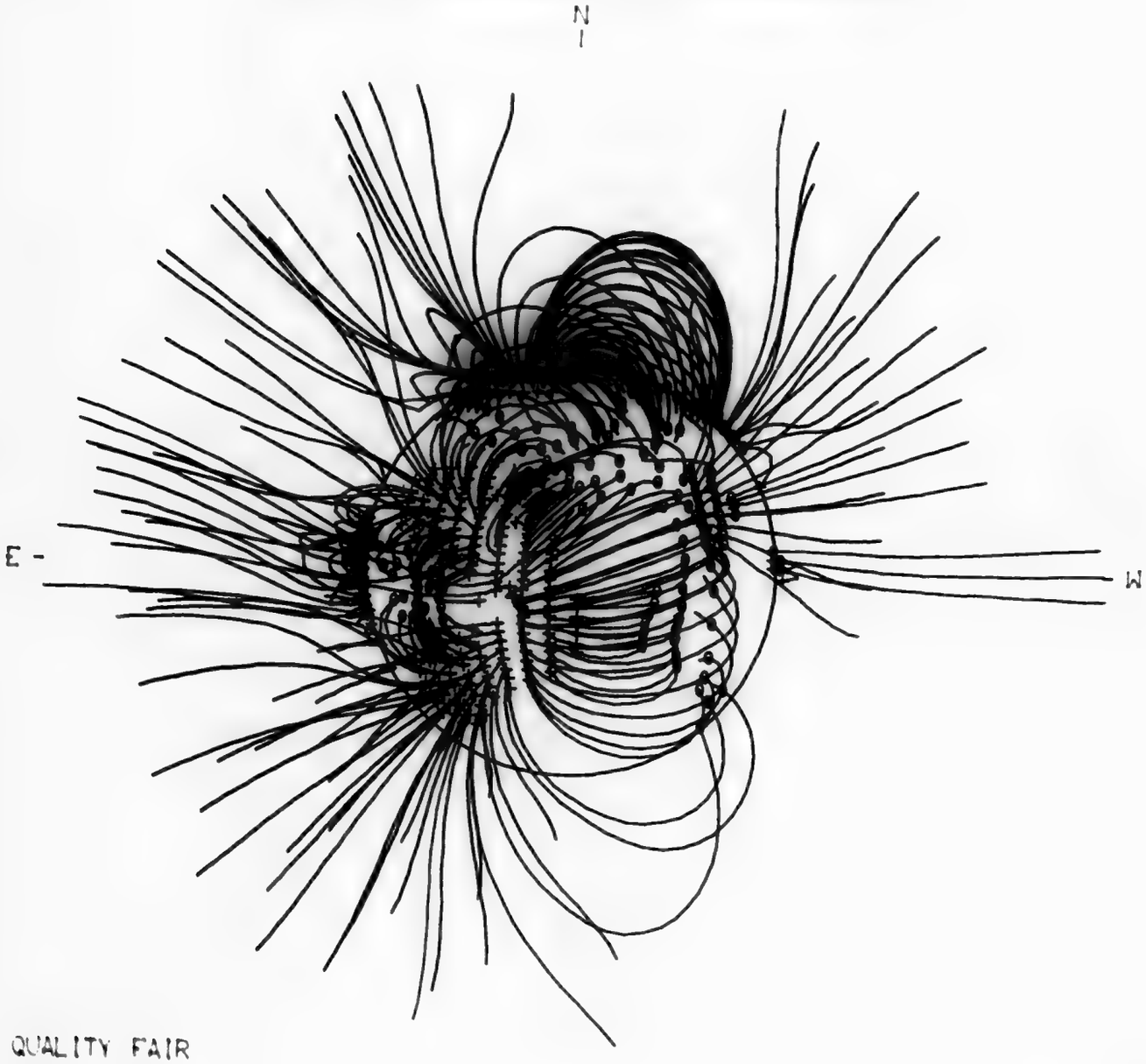
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 150°

6.5 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

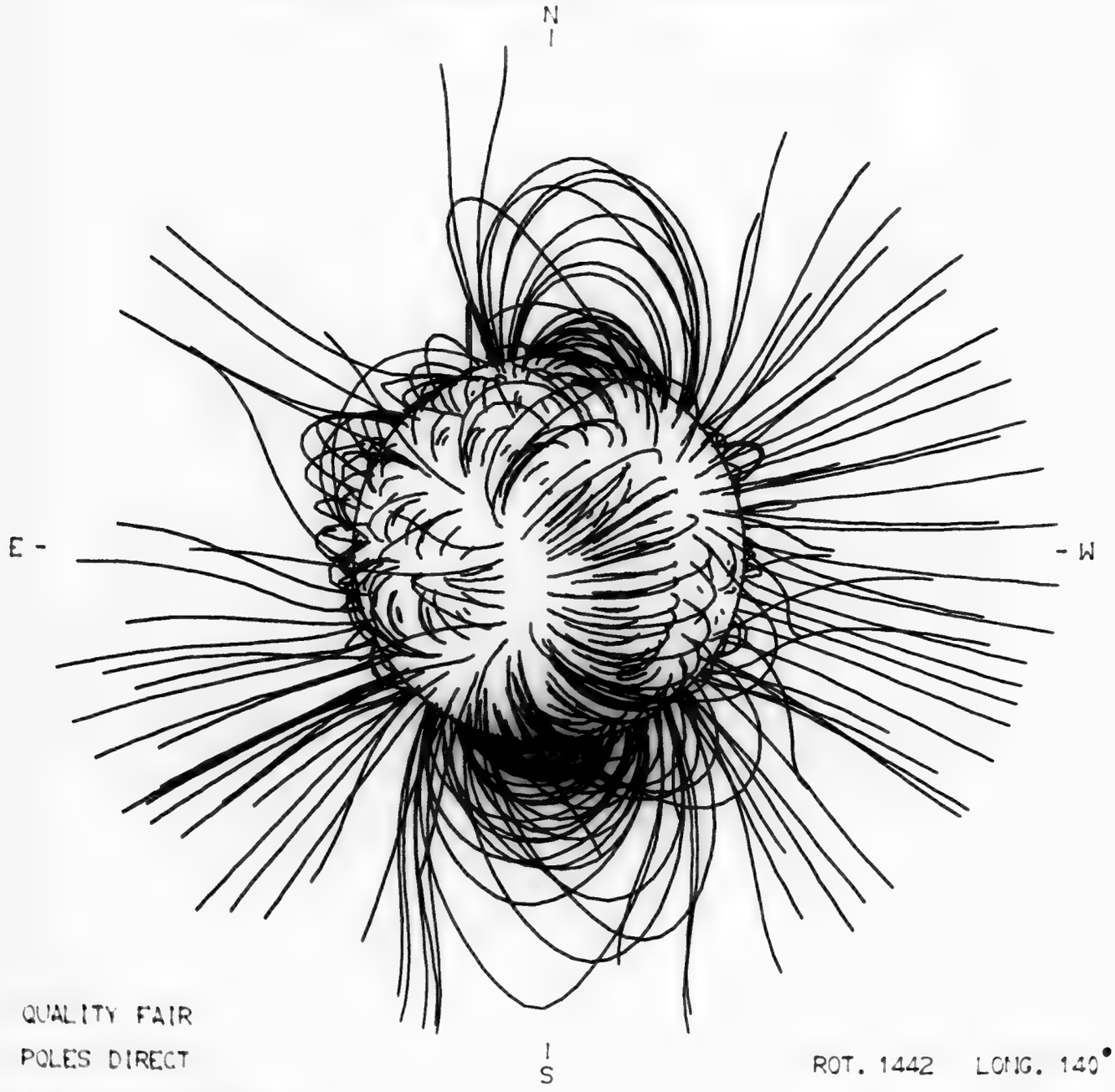
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 150°

6.5 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

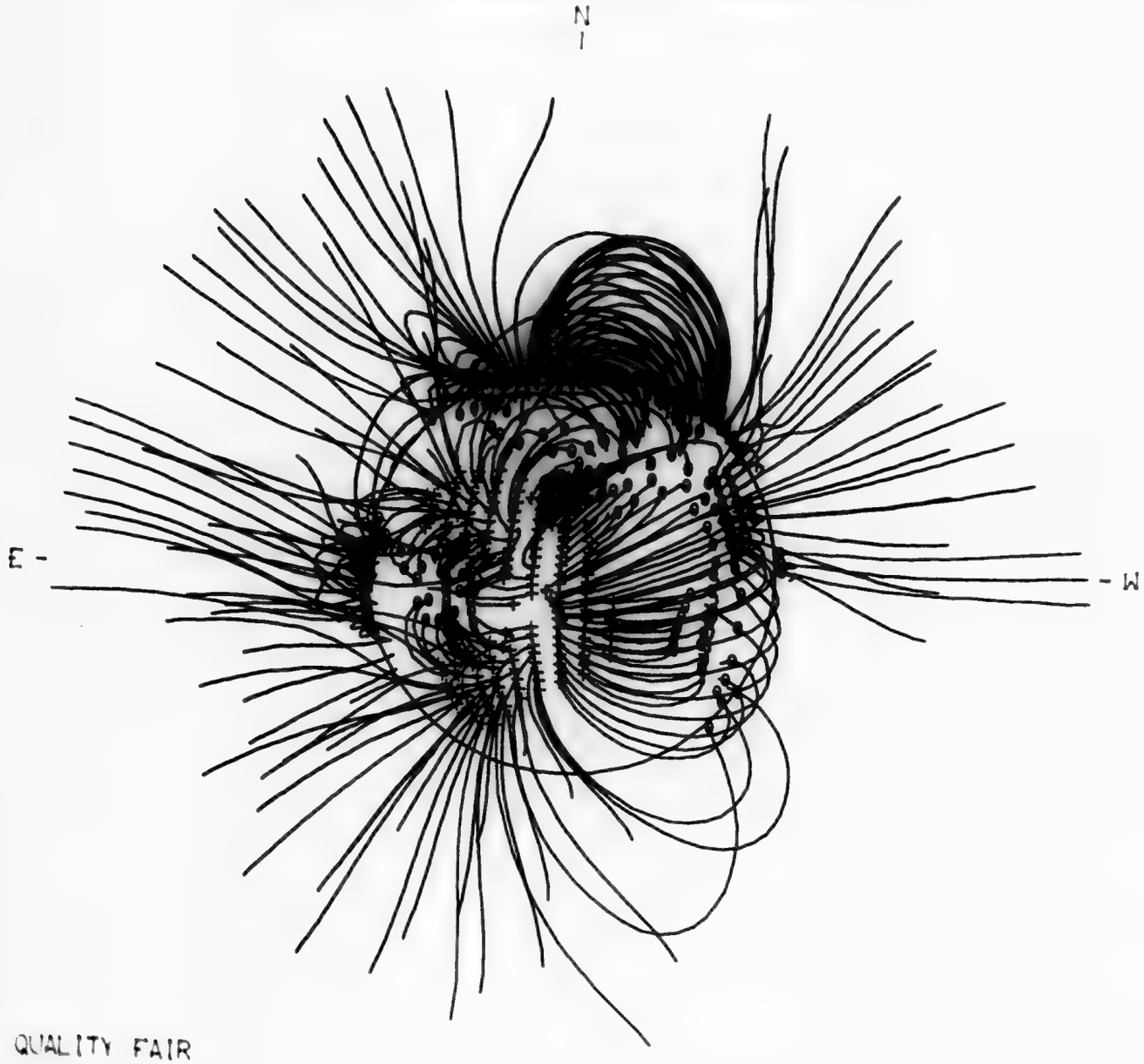
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 140°

7.2 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

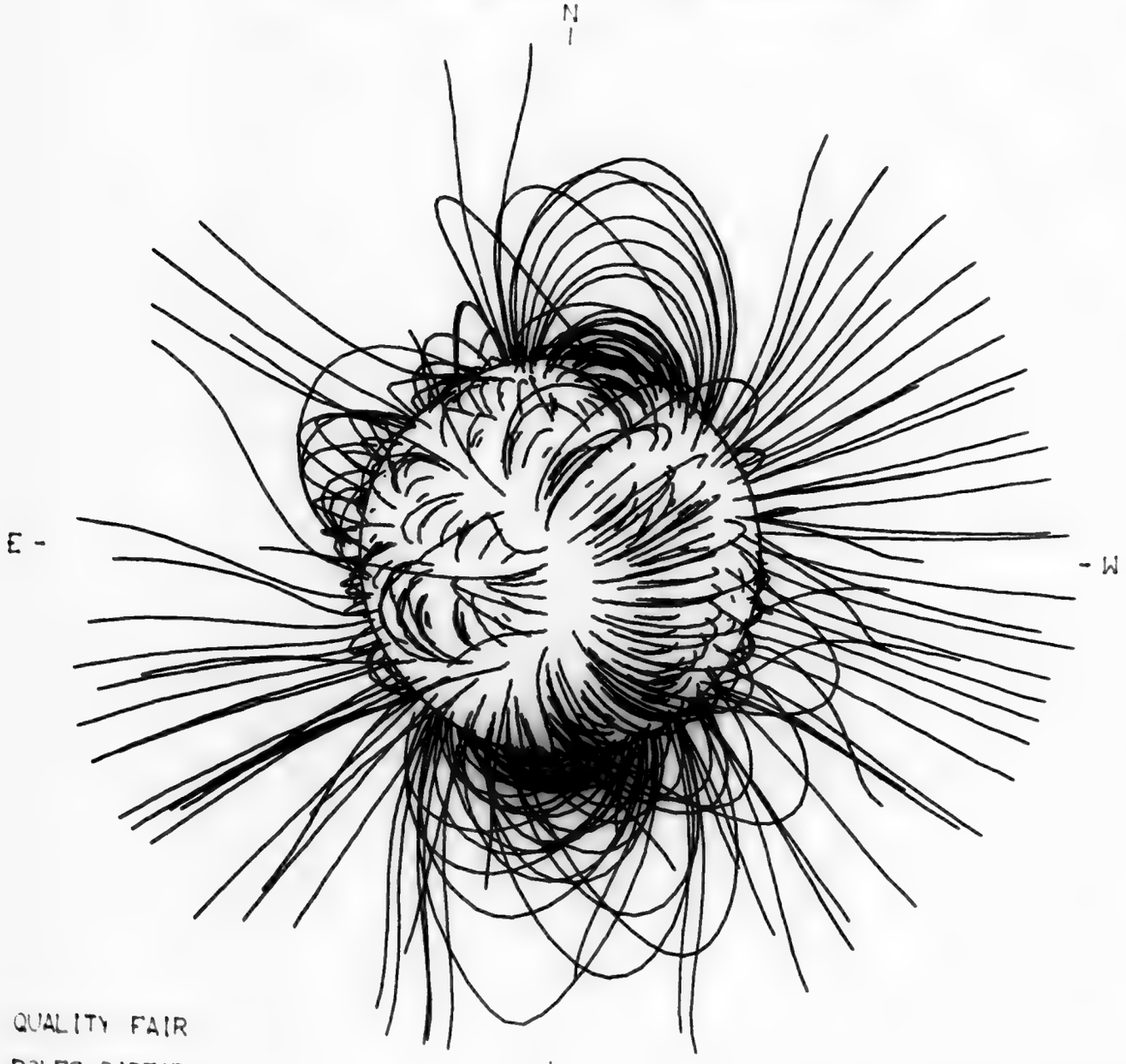
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 140°

7.2 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

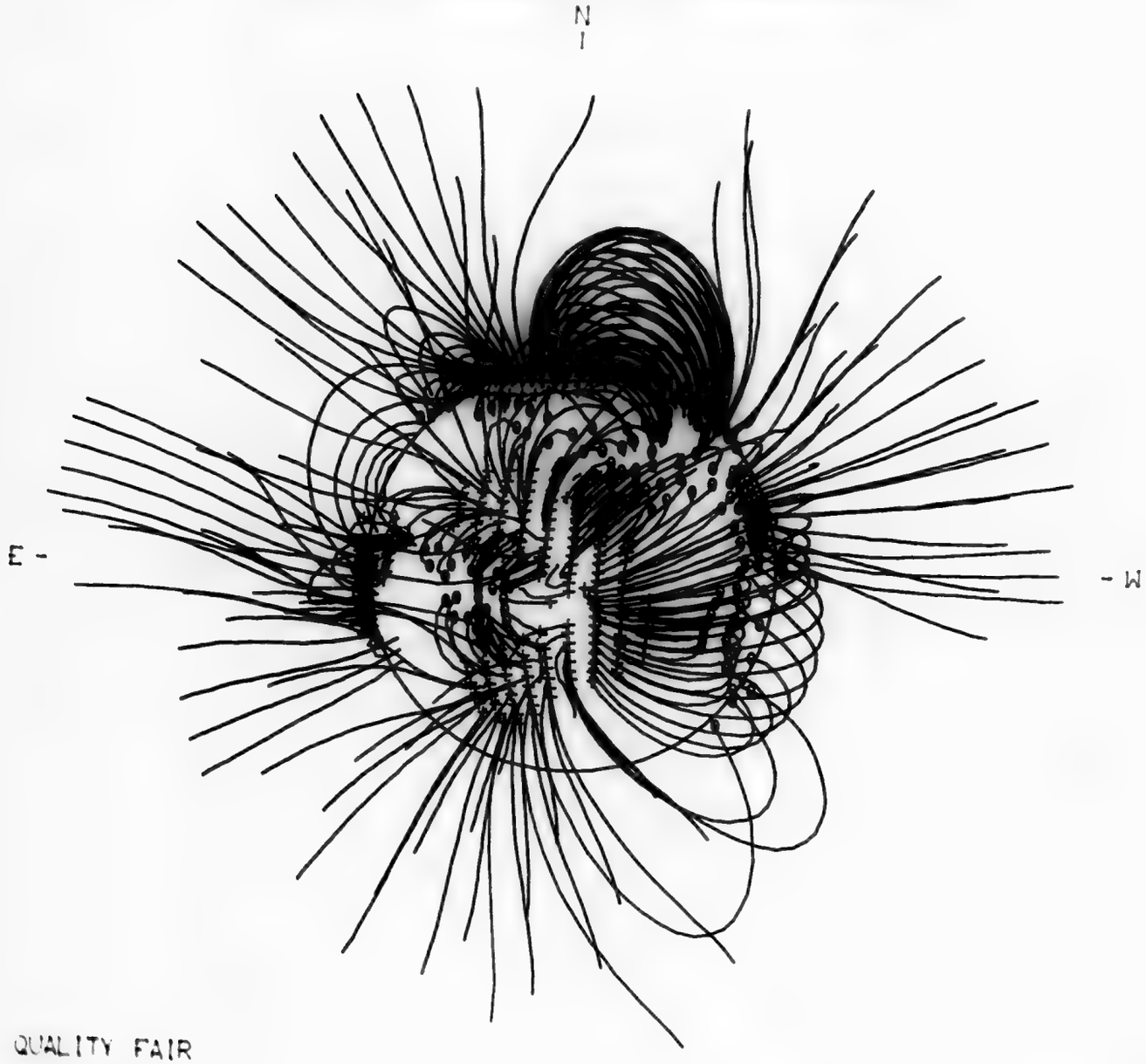
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 130°

8.0 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

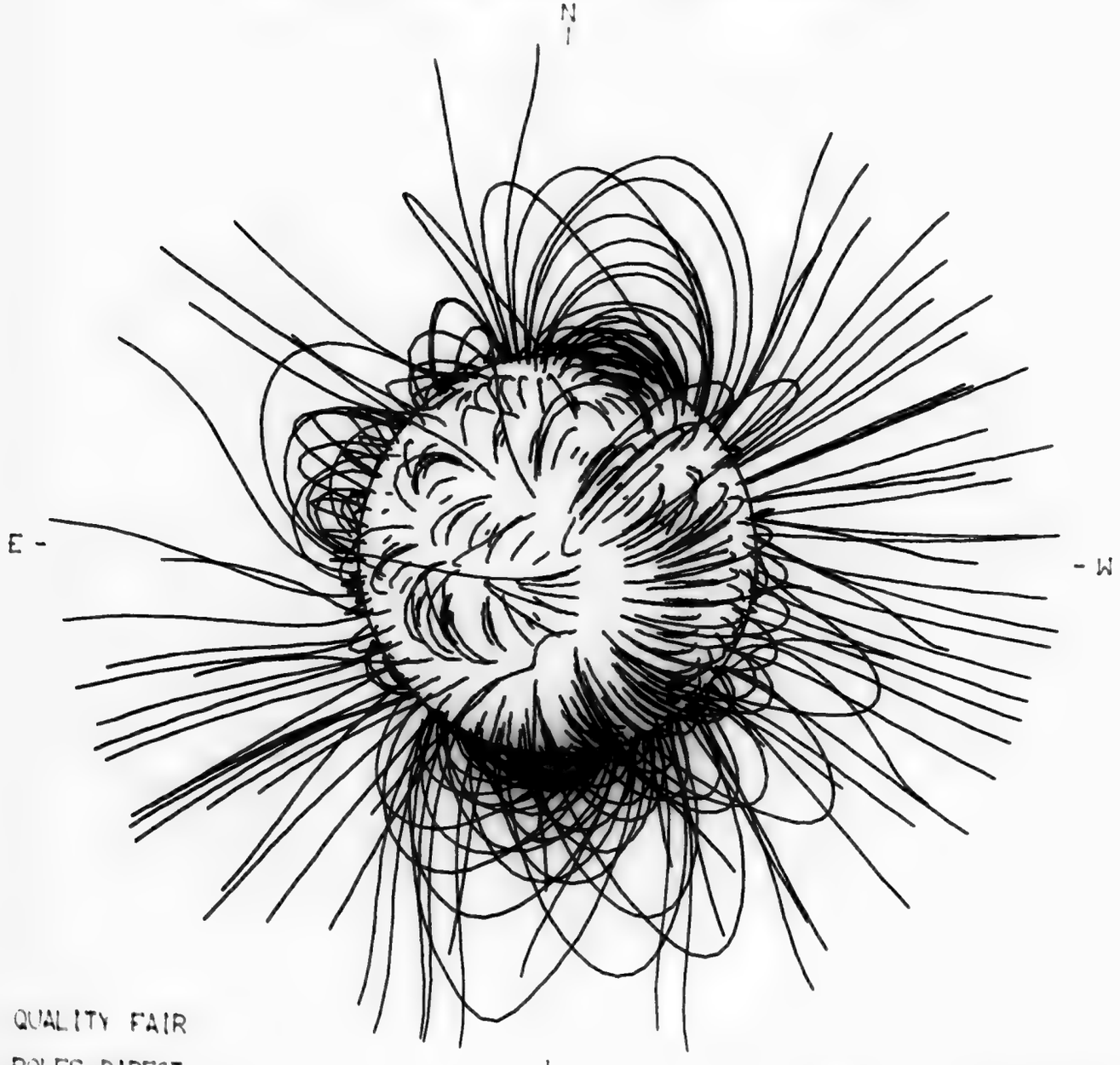
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 130°

8.0 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 120°

8.7 JUL 1961

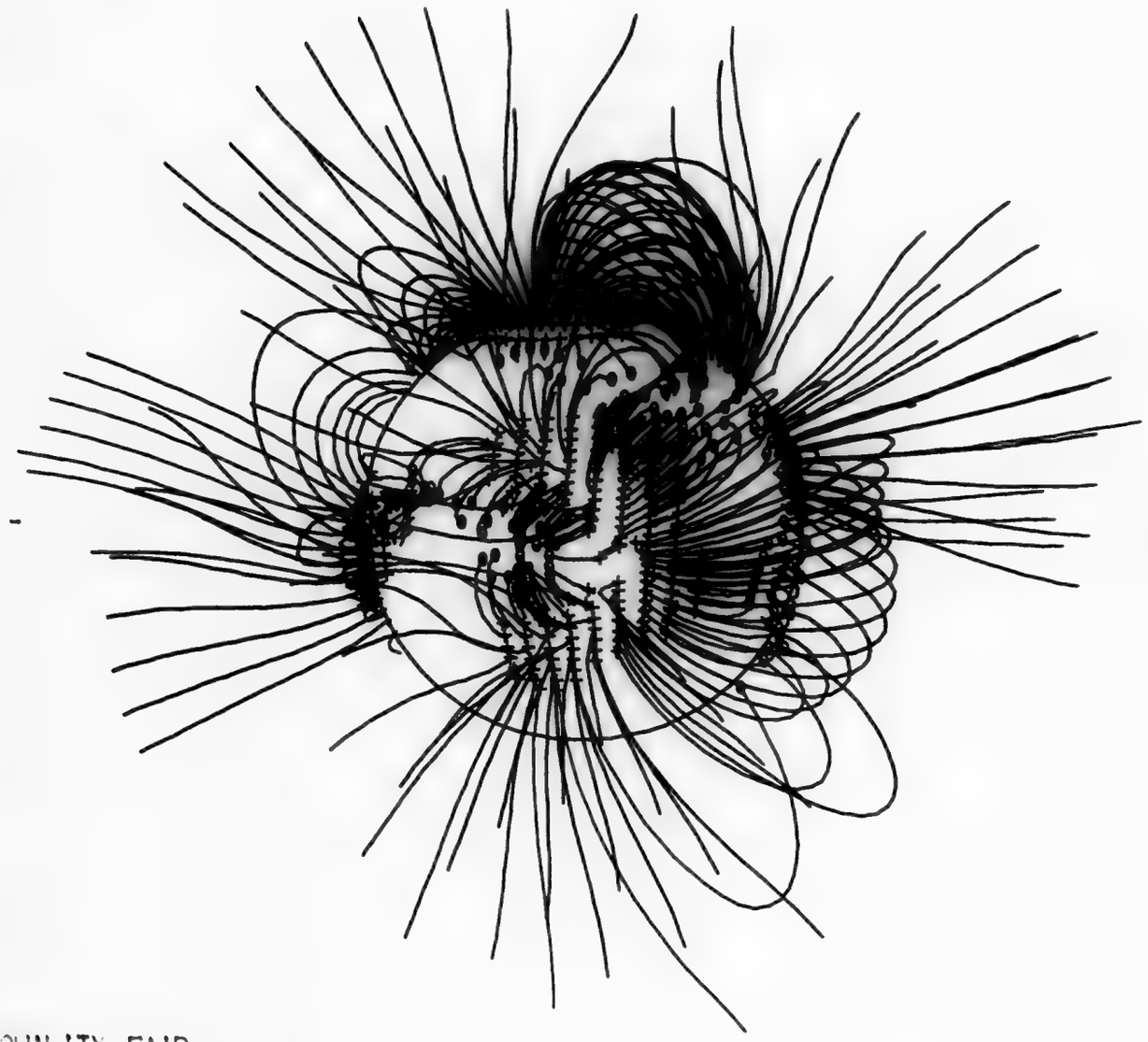
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY FAIR

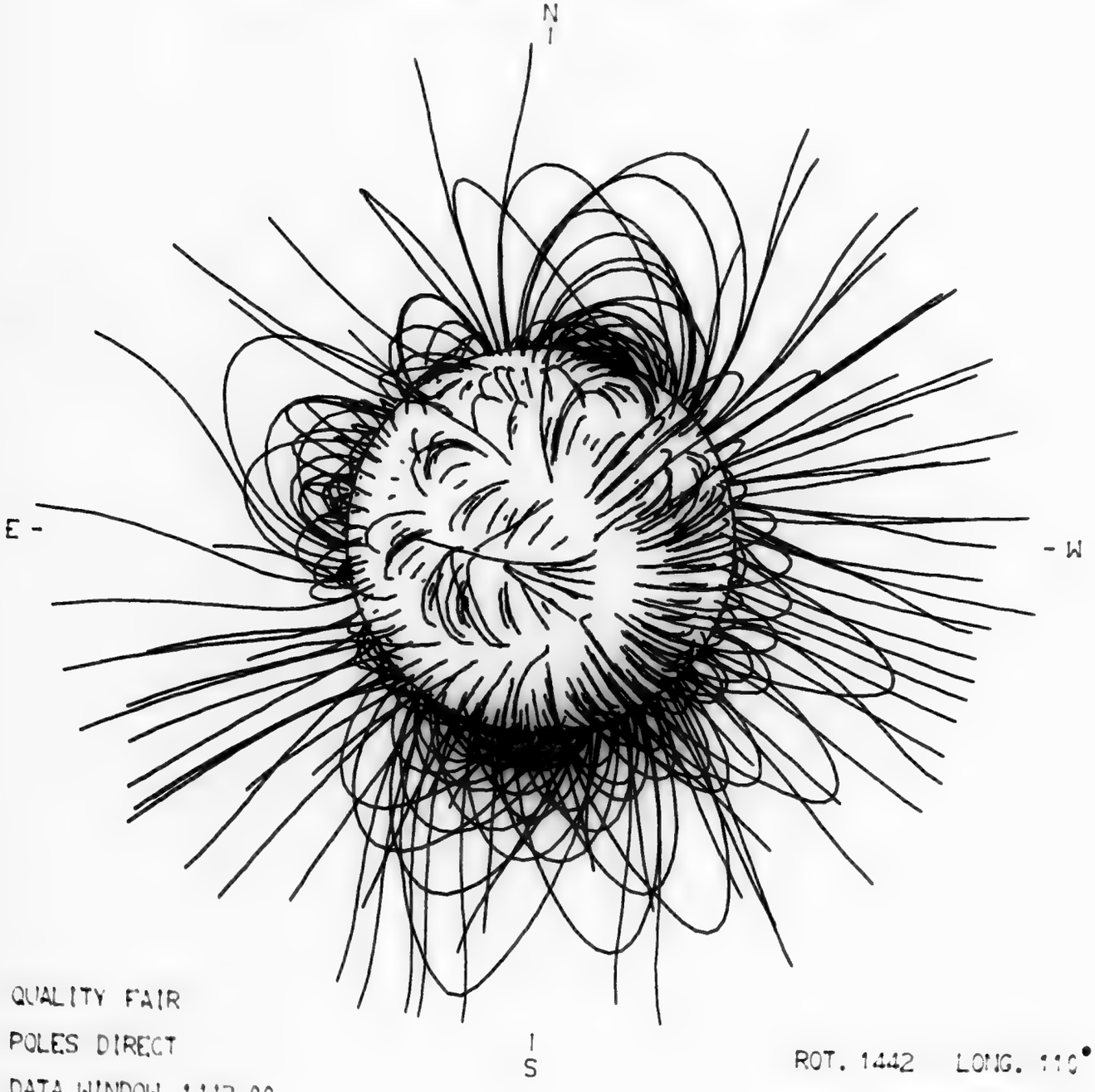
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 120°

8.7 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

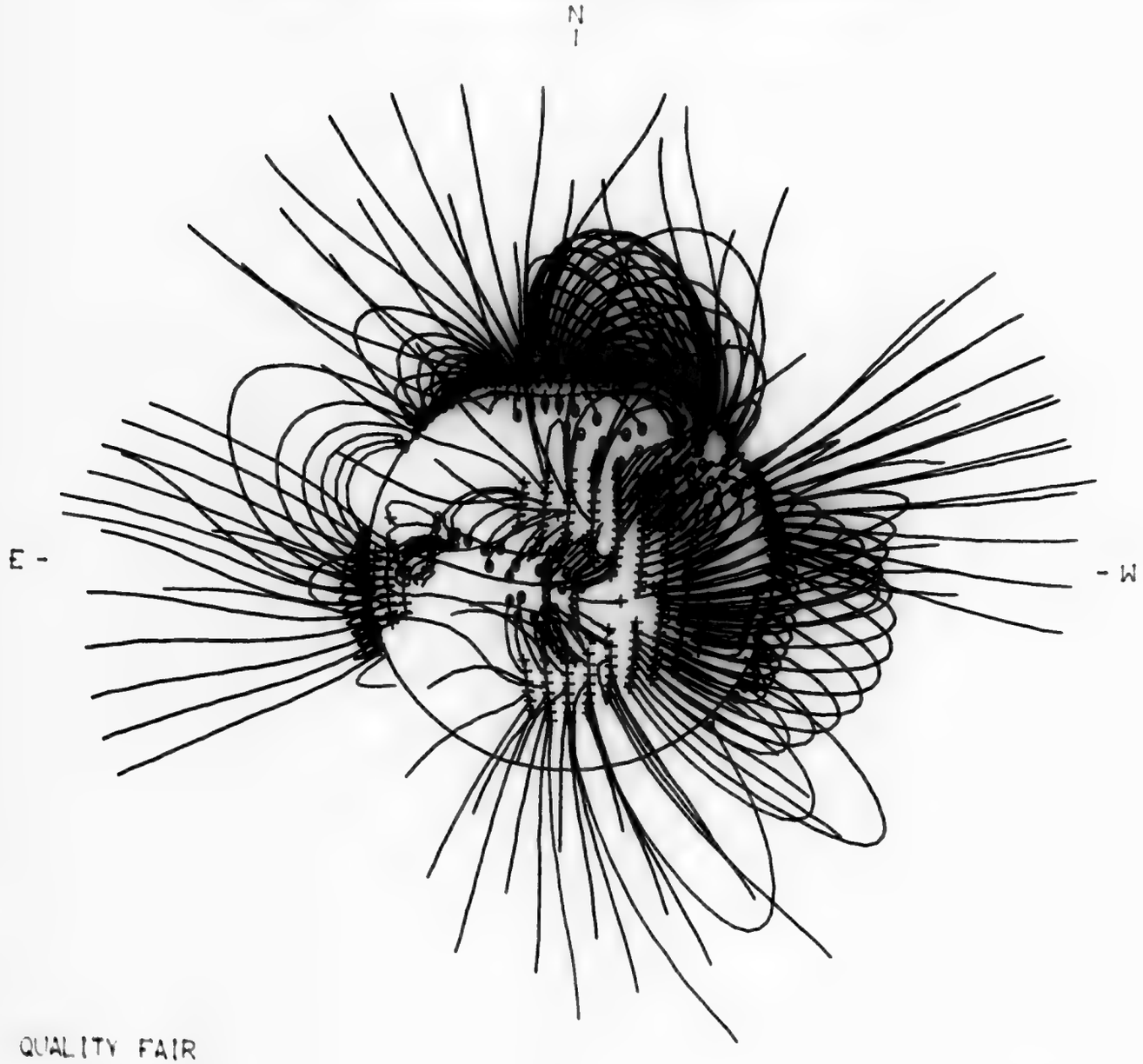
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 110°

9.5 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

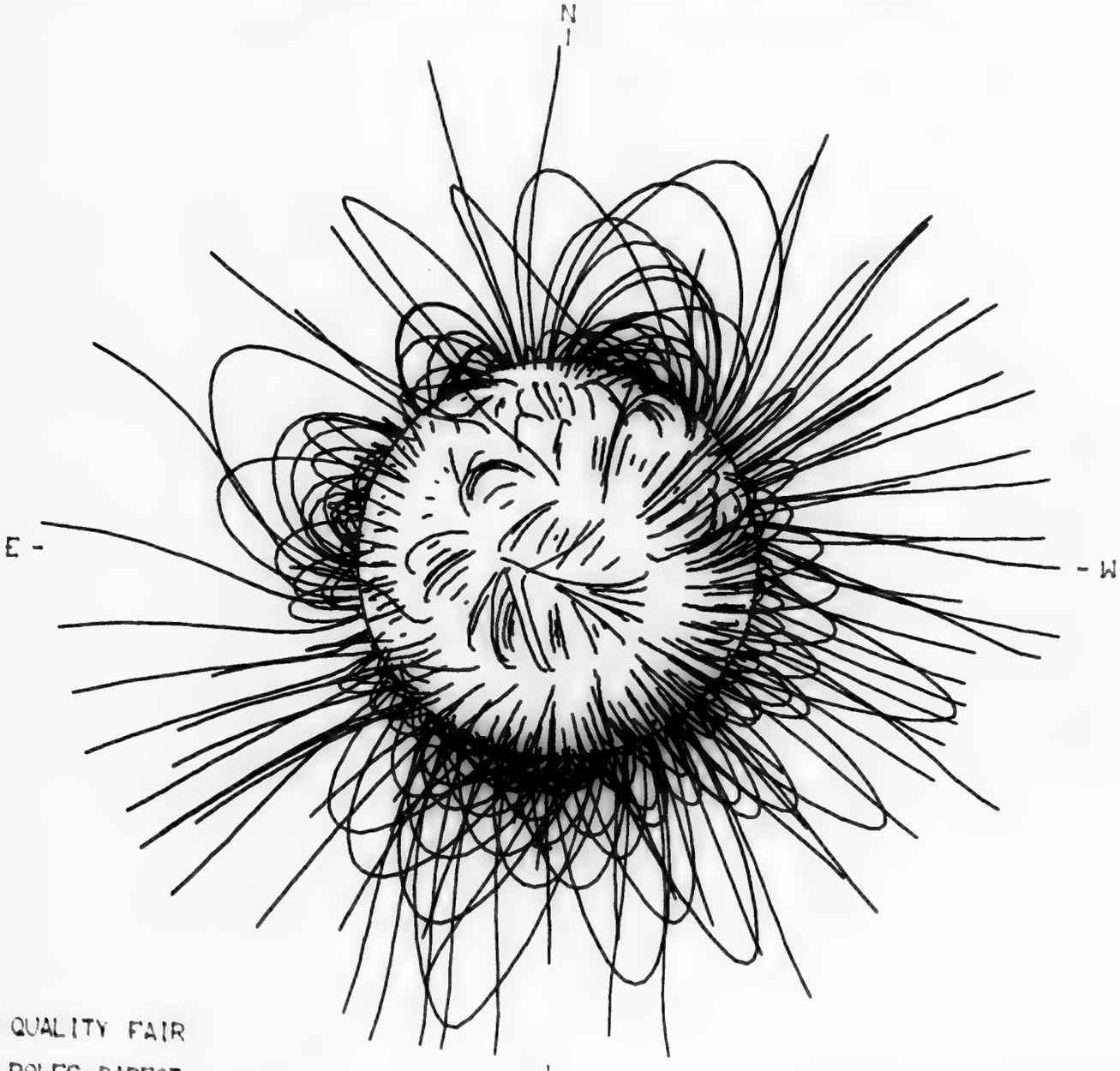
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 110°

9.5 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

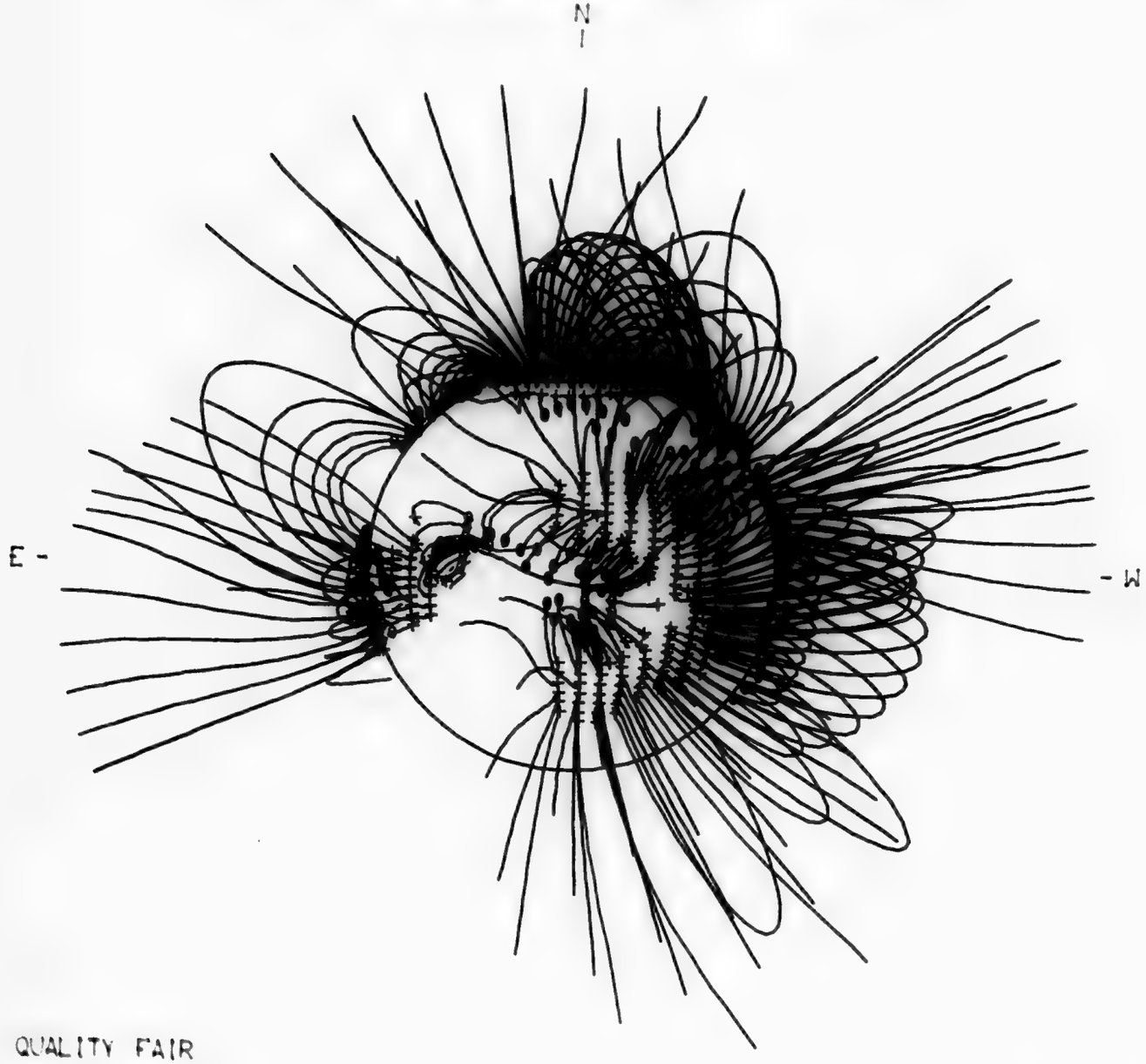
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 100°

10.2 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

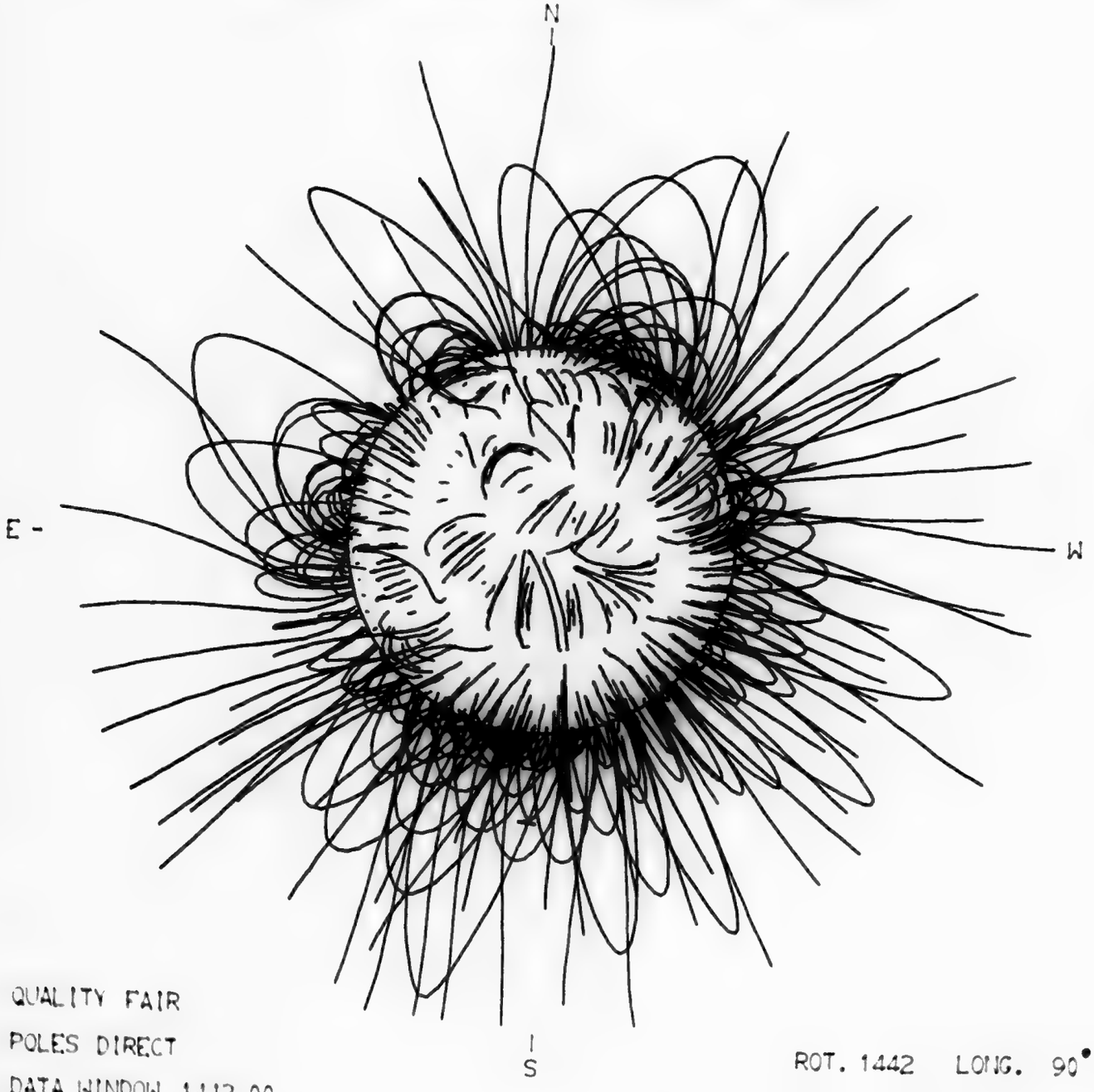
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 100°

10.2 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

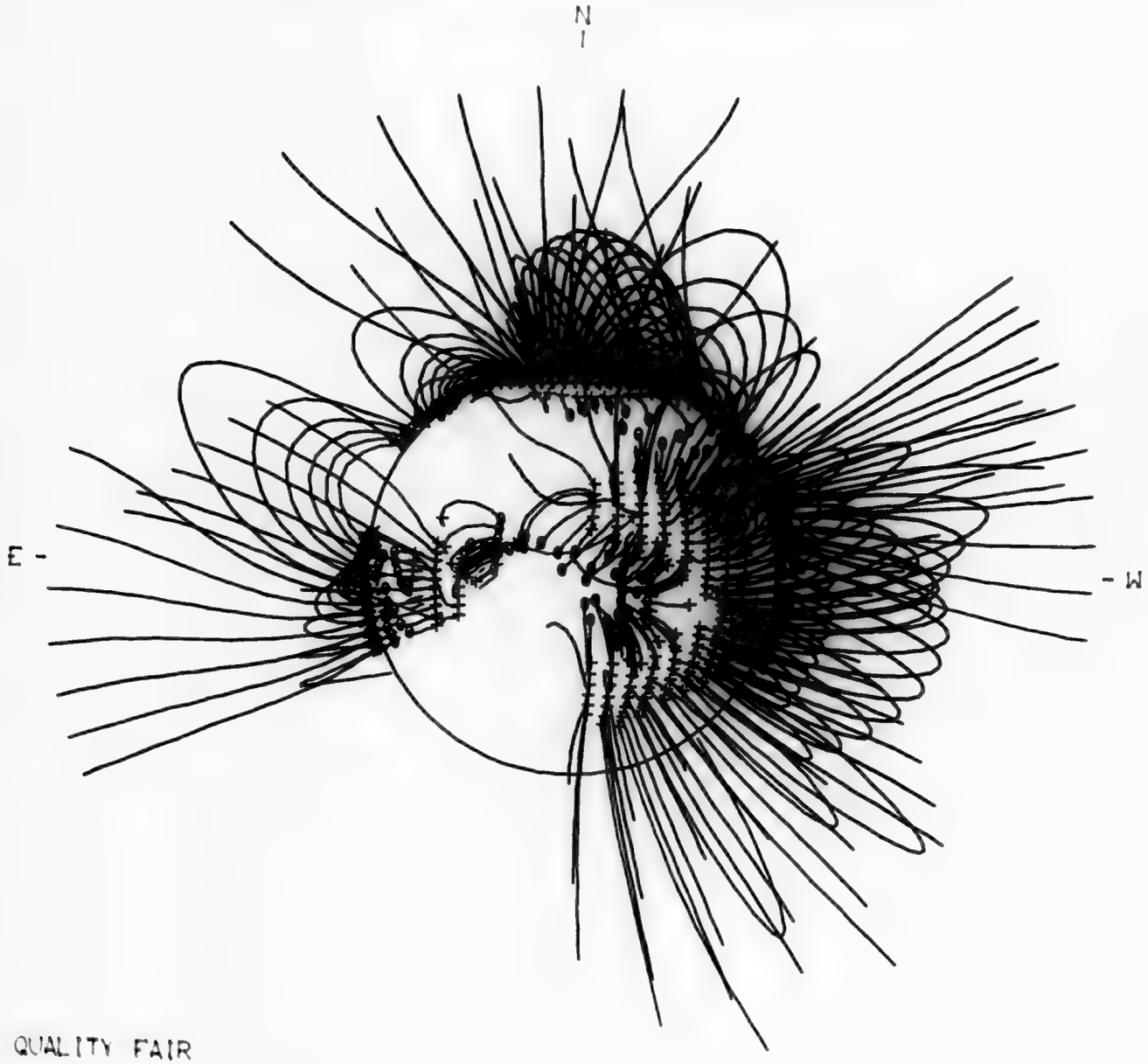
POLES DIRECT

DATA WINDOW 1442.00

ROT. 1442 LONG. 90°

11.0 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1442.00

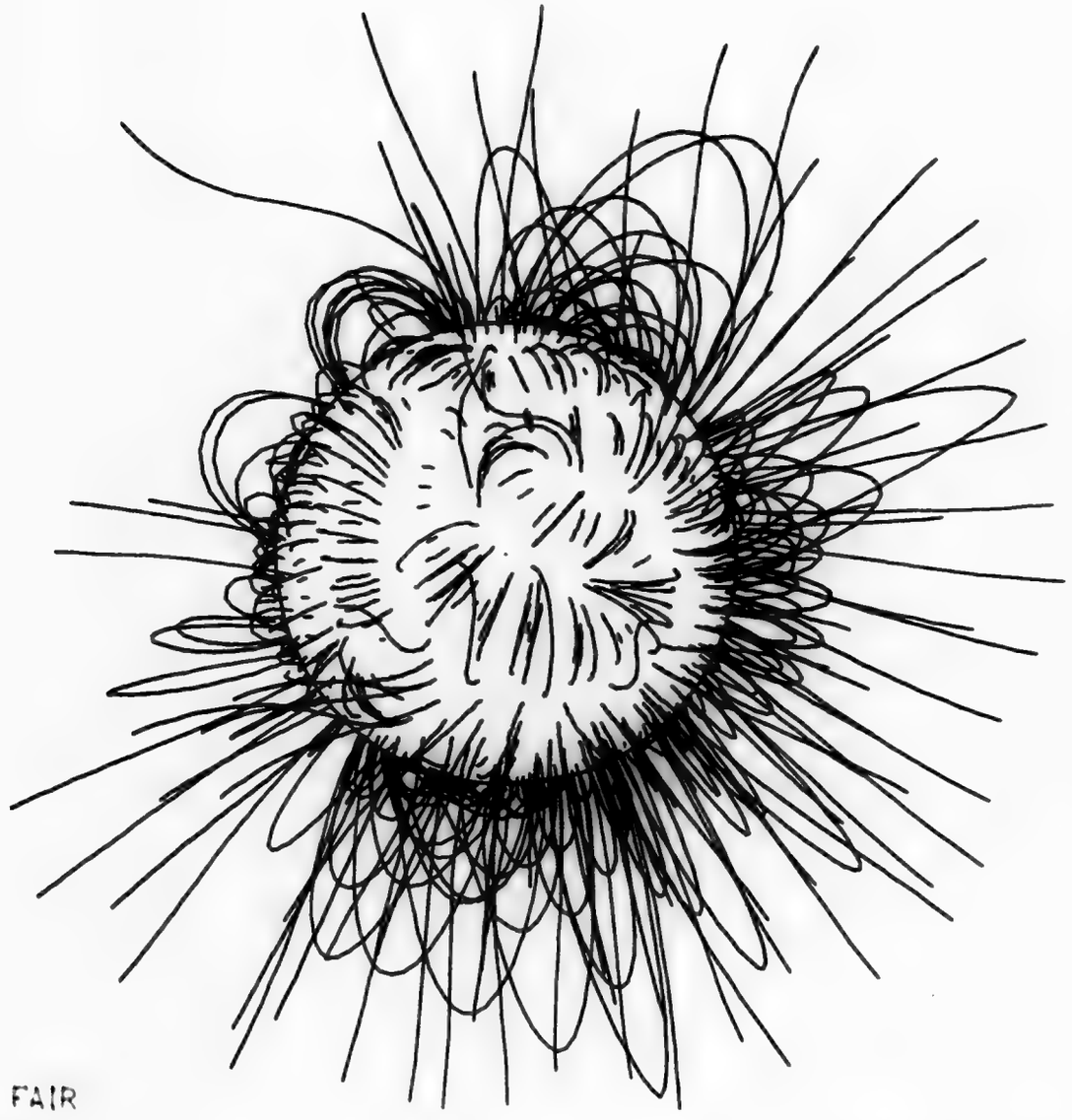
ROT. 1442 LONG. 90°

11.0 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY FAIR

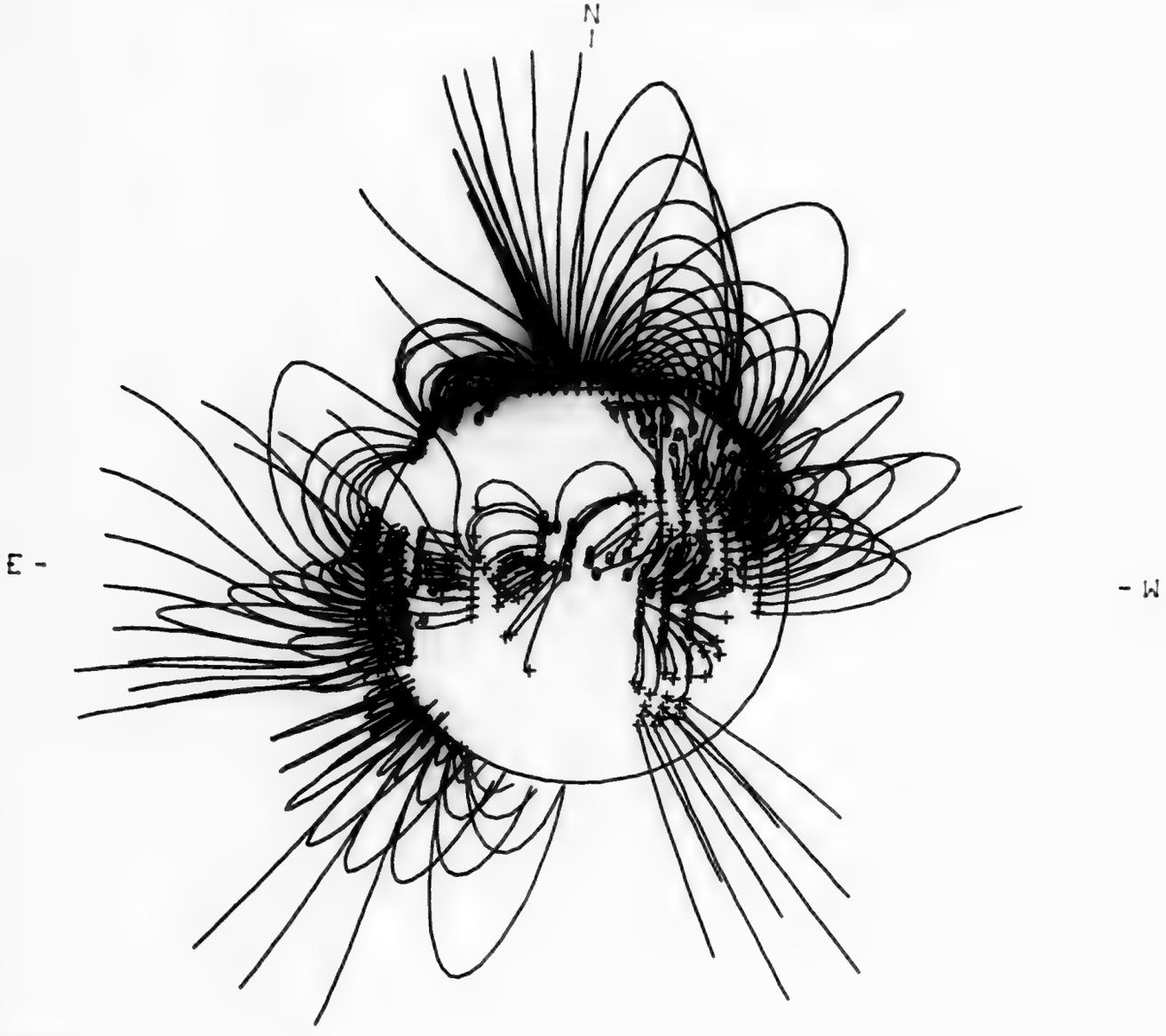
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1442 LONG. 80°

11.7 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1442.47

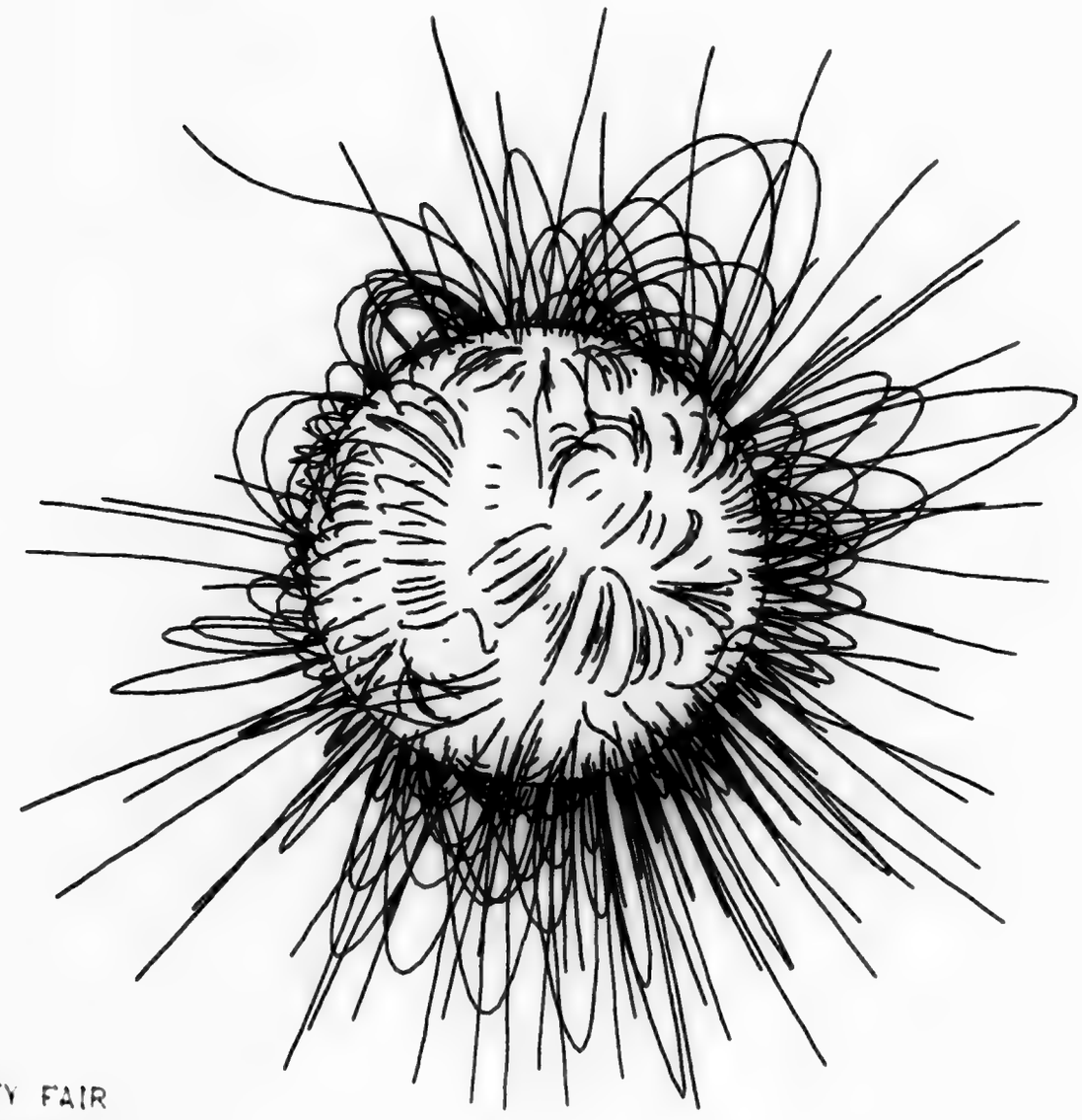
ROT. 1442 LONG. 80°

11.7 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY FAIR

POLES DIRECT

DATA WINDOW 1442.47

ROT. 1442 LONG. 70°

12.5 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

QUALITY FAIR

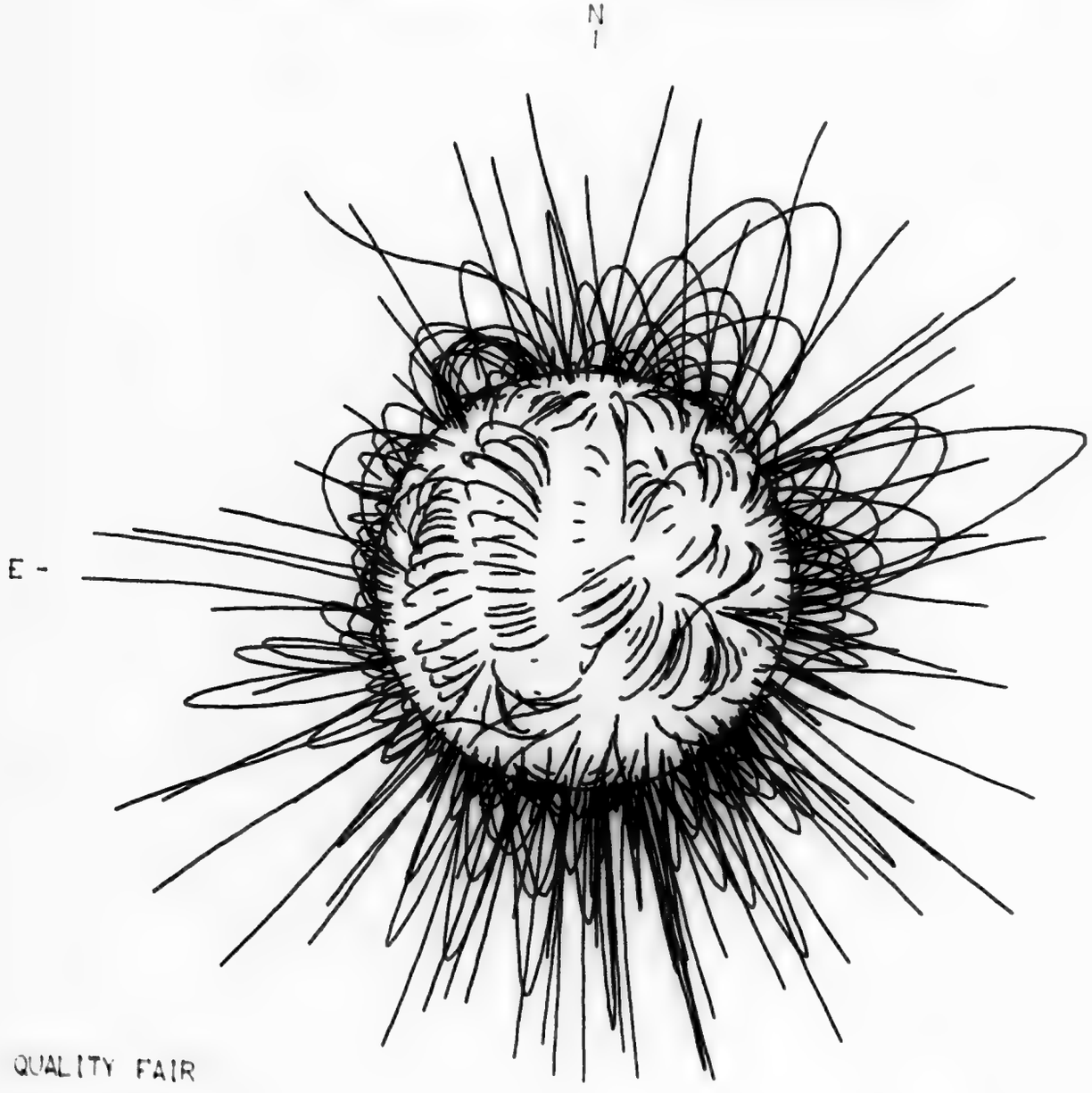
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1442 LONG. 70°

12.5 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

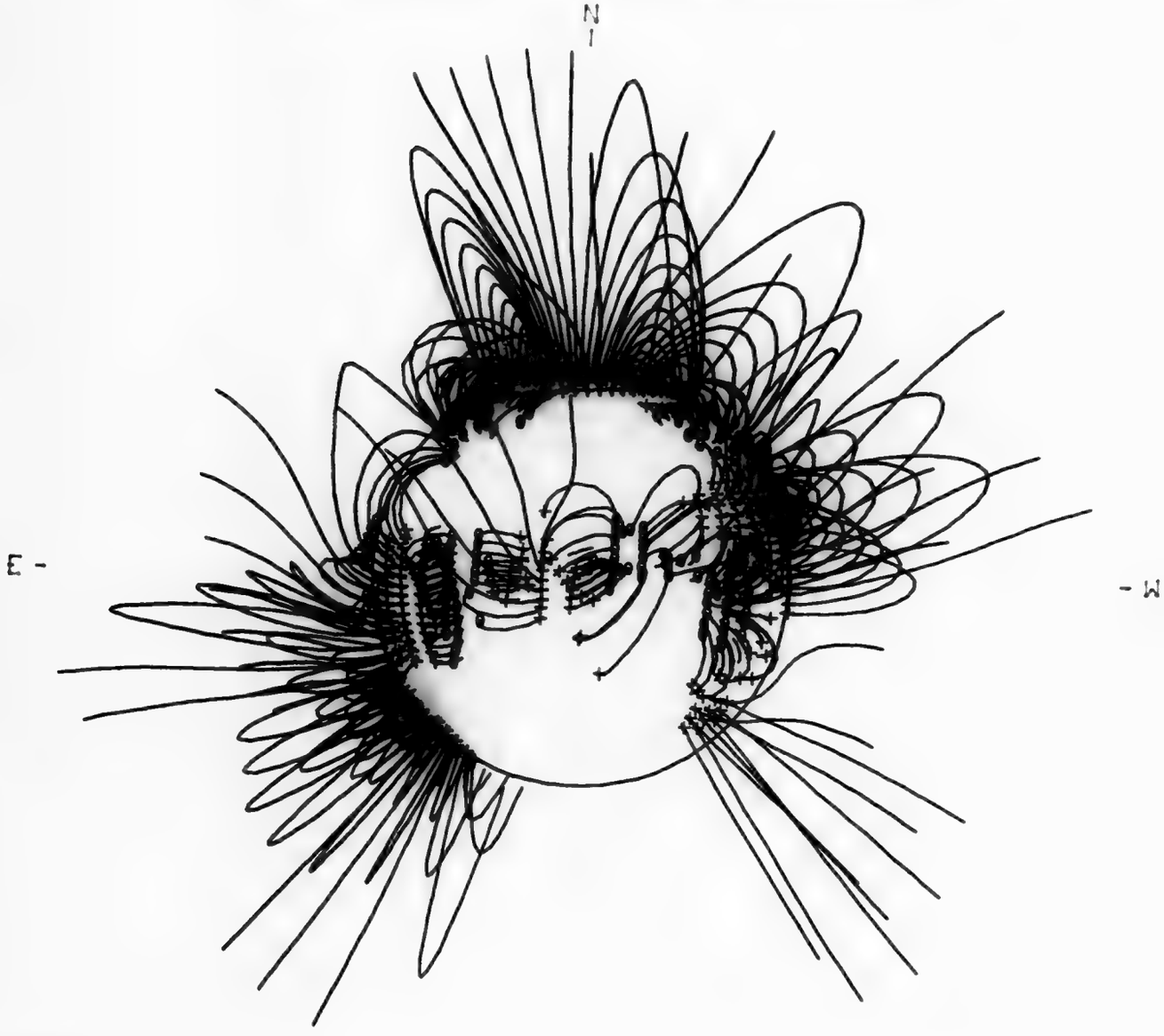
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1442 LONG. 60°

13.2 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

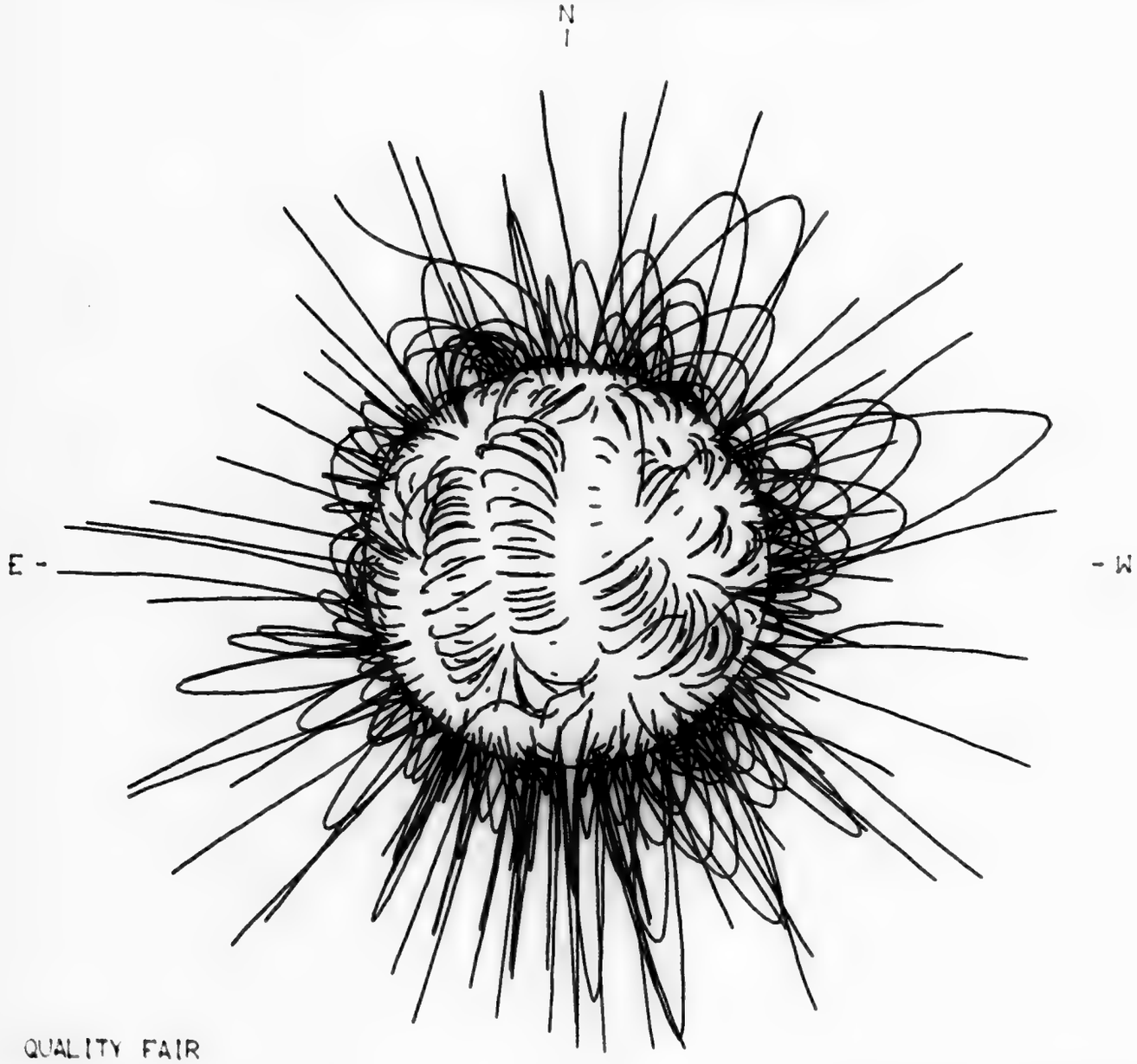
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1442 LONG. 60°

13.2 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

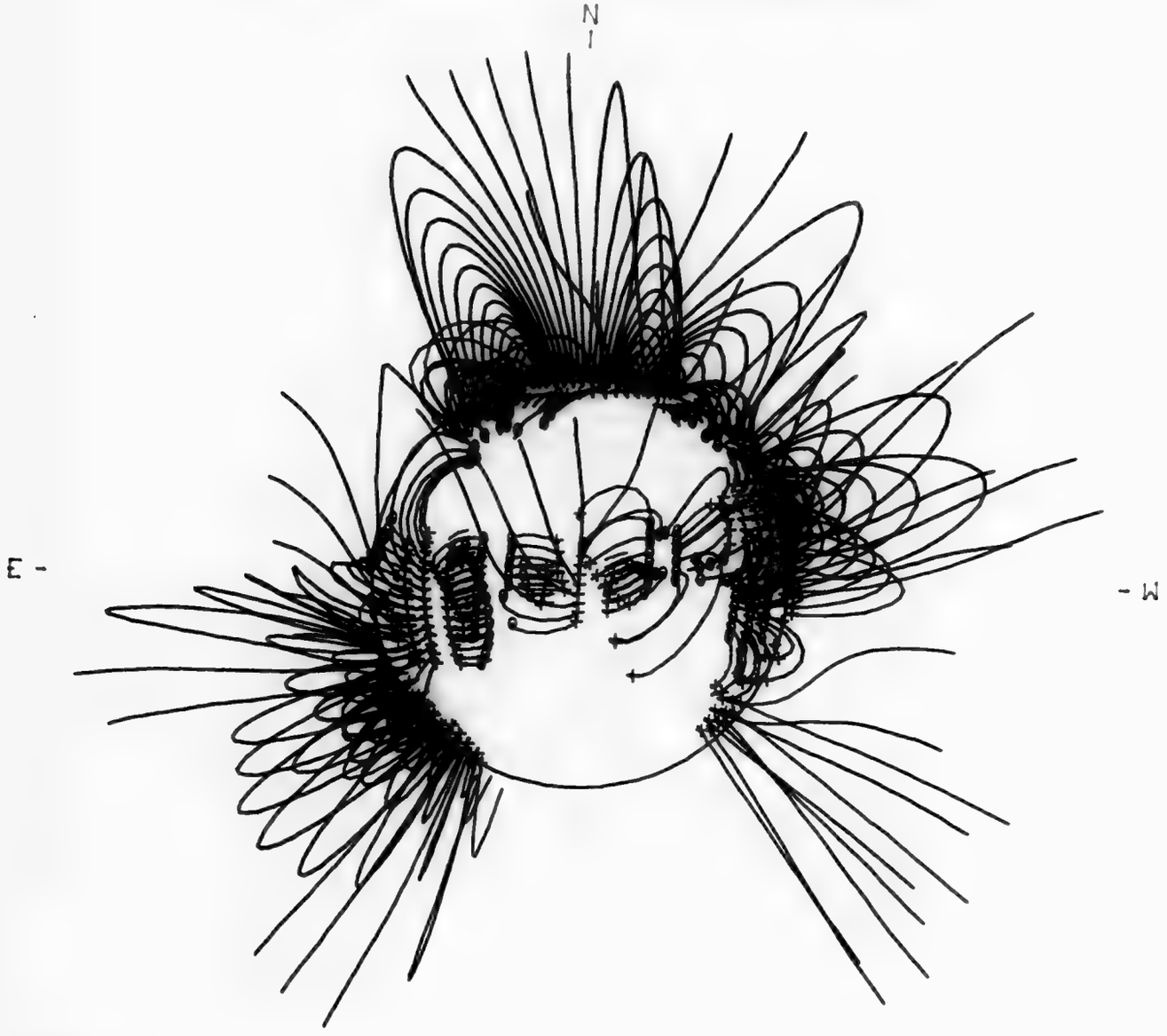
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1442 LONG. 50°

14.0 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

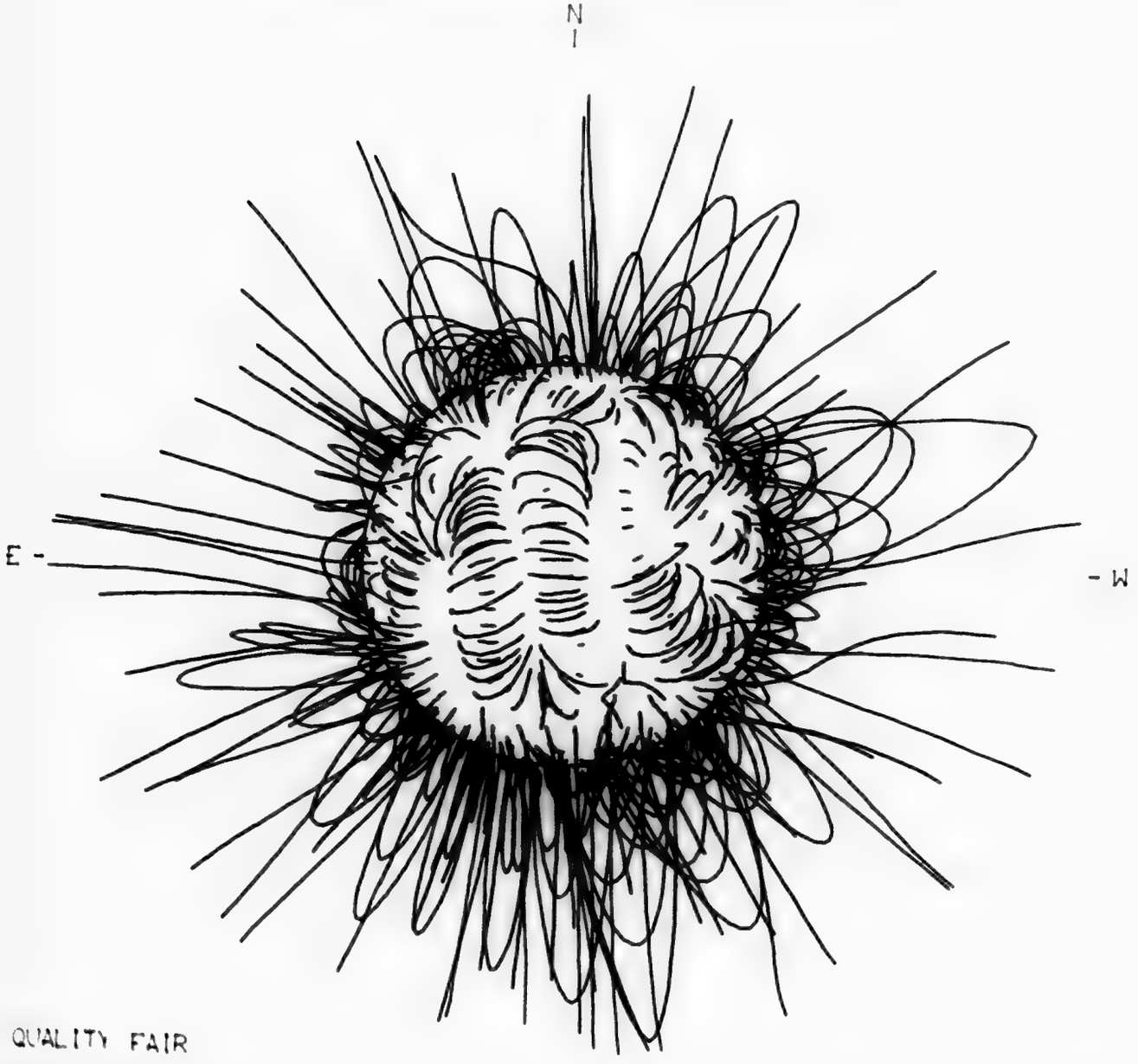
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1442 LONG. 50°

14.0 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

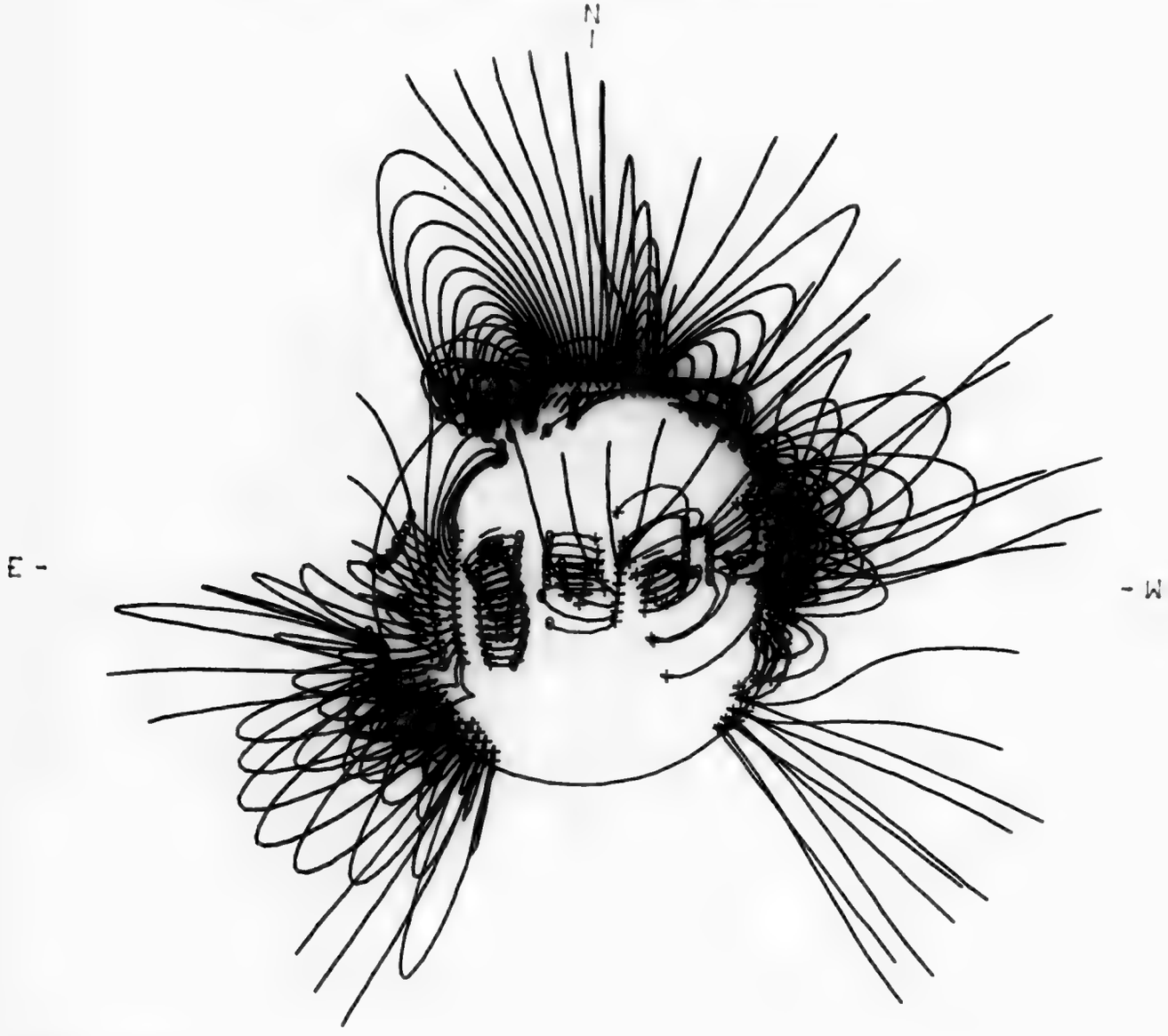
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1442 LONG. 40°

14.8 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

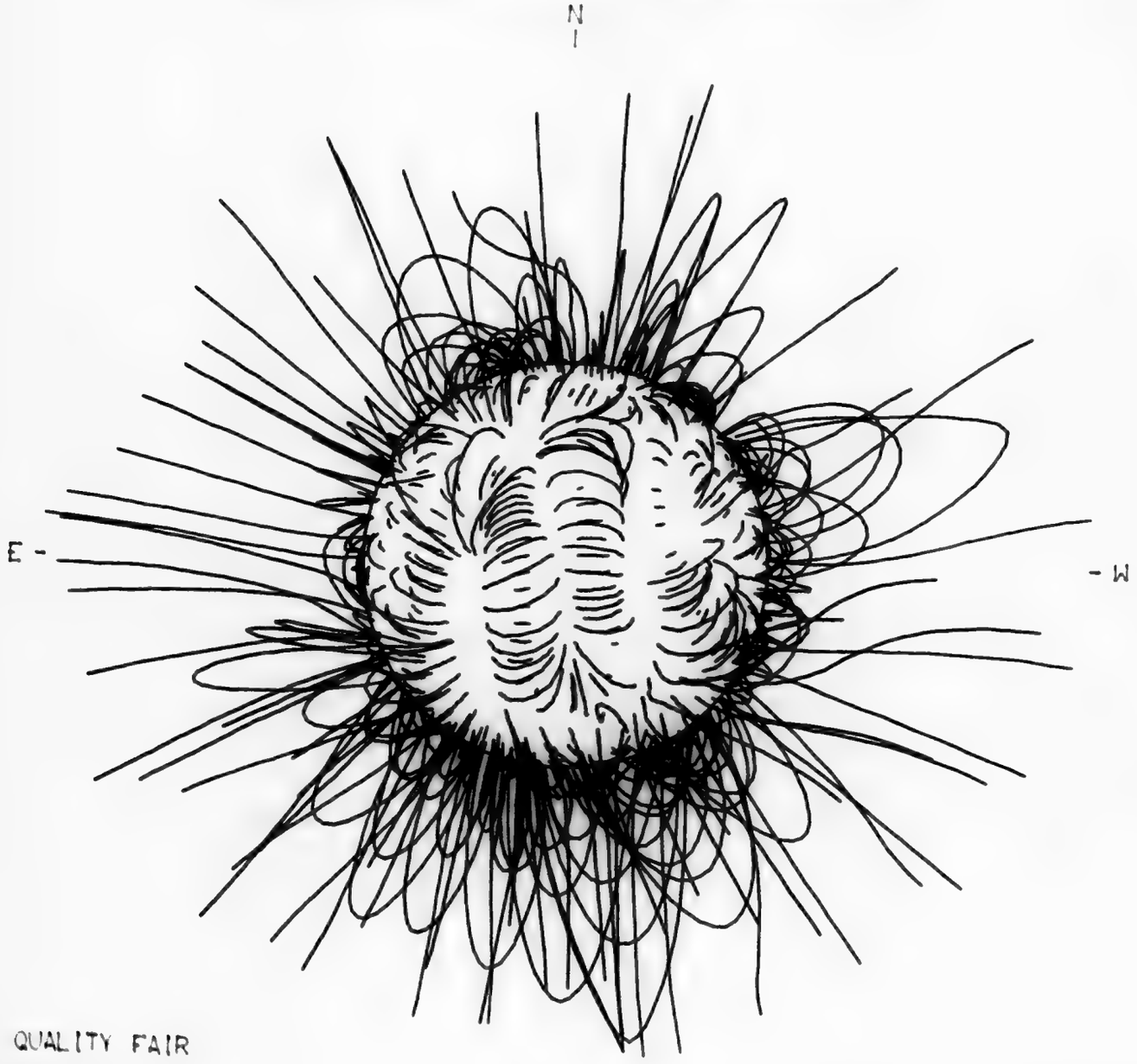
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1442 LONG. 40°

14.8 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

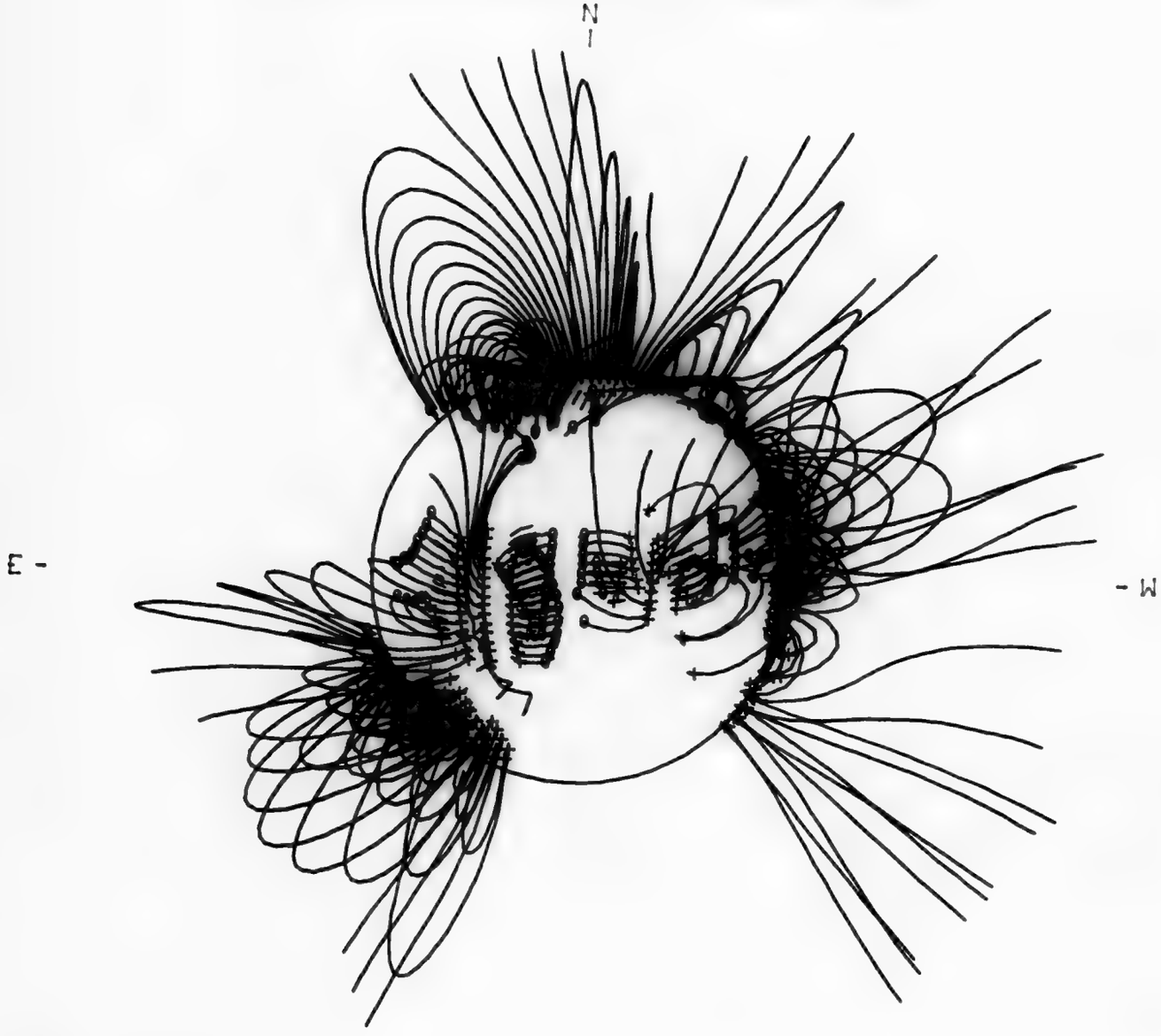
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1442 LONG. 30°

15.5 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

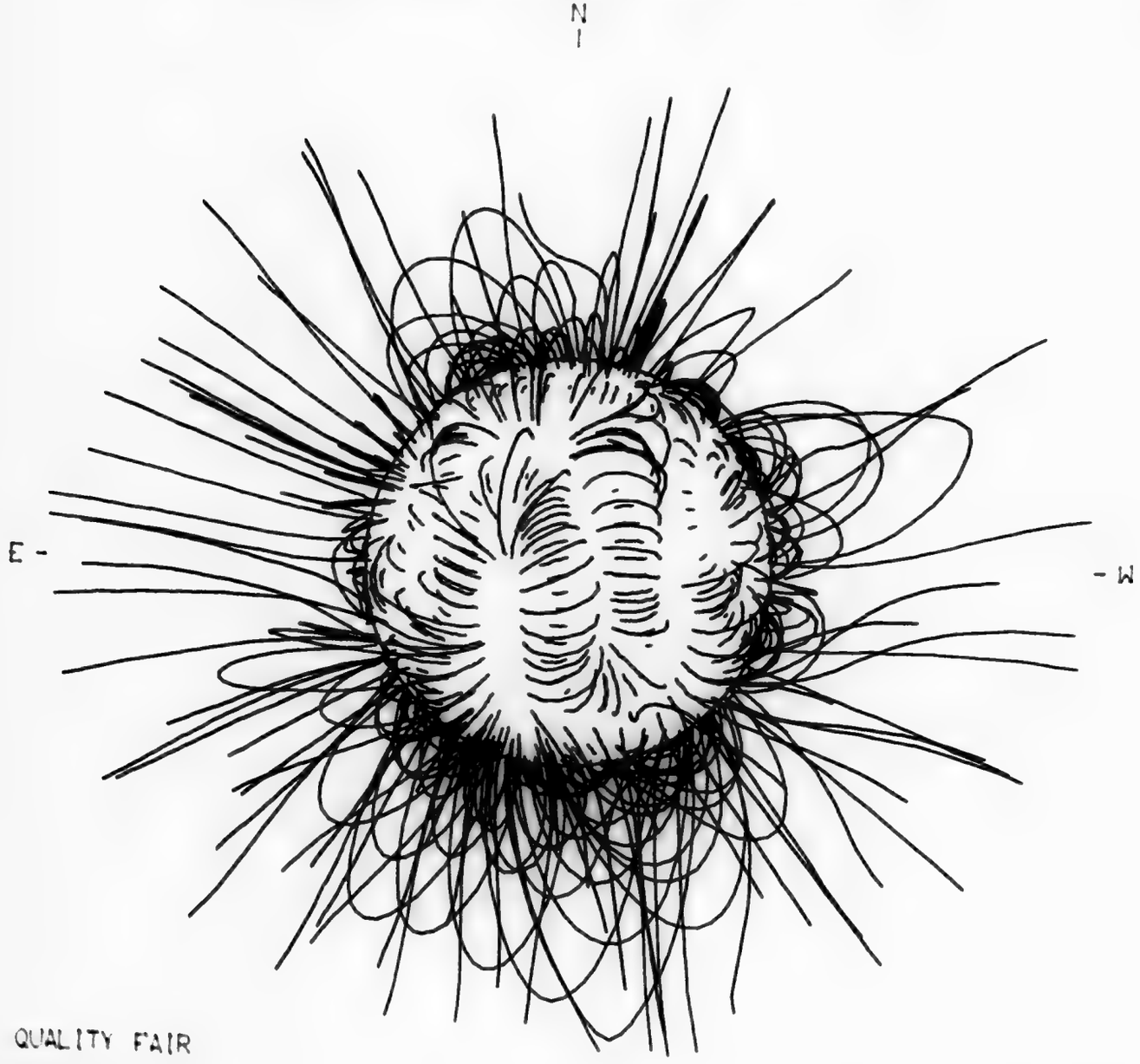
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1442 LONG. 30°

15.5 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

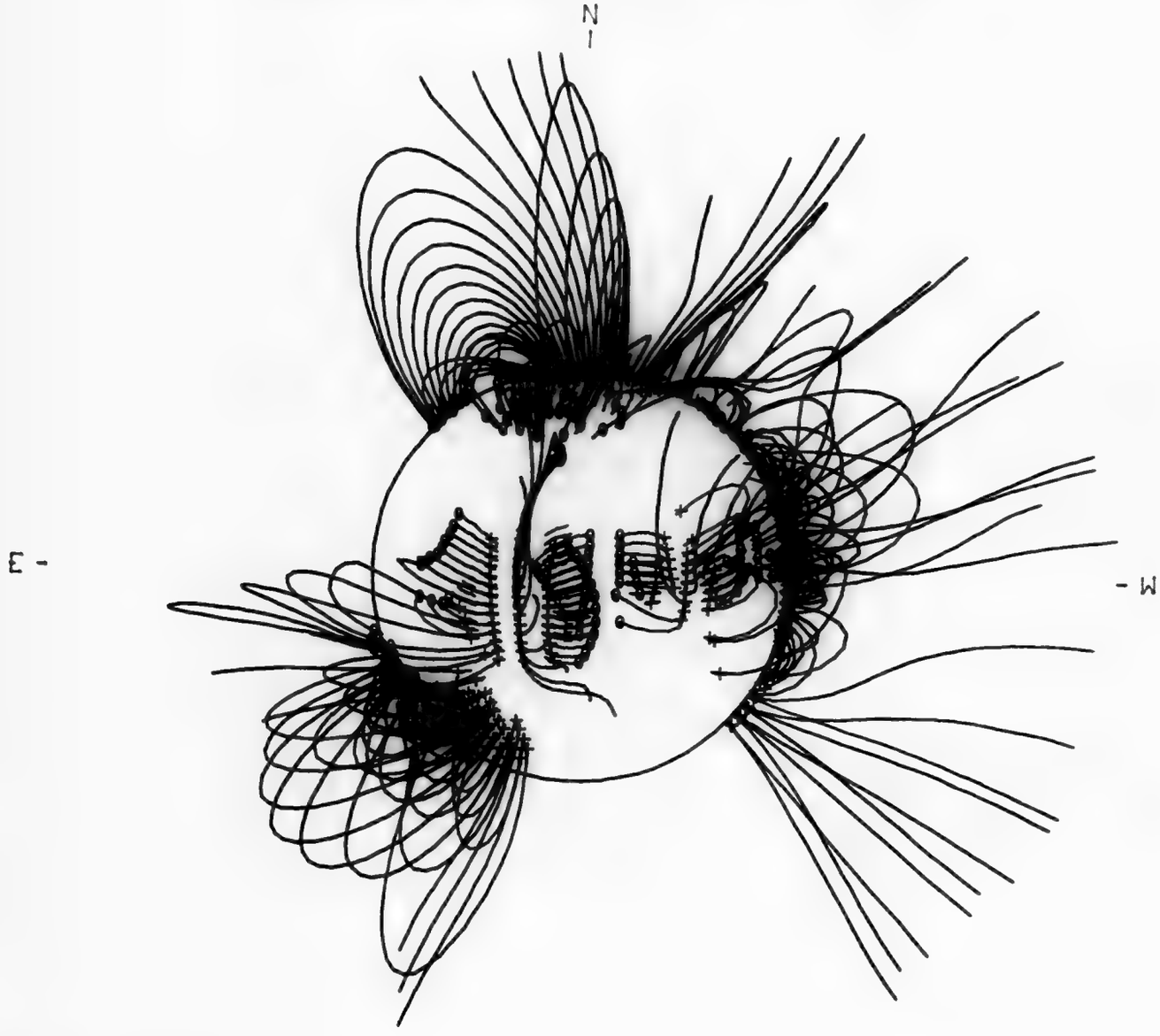
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1442 LONG. 20°

16.3 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

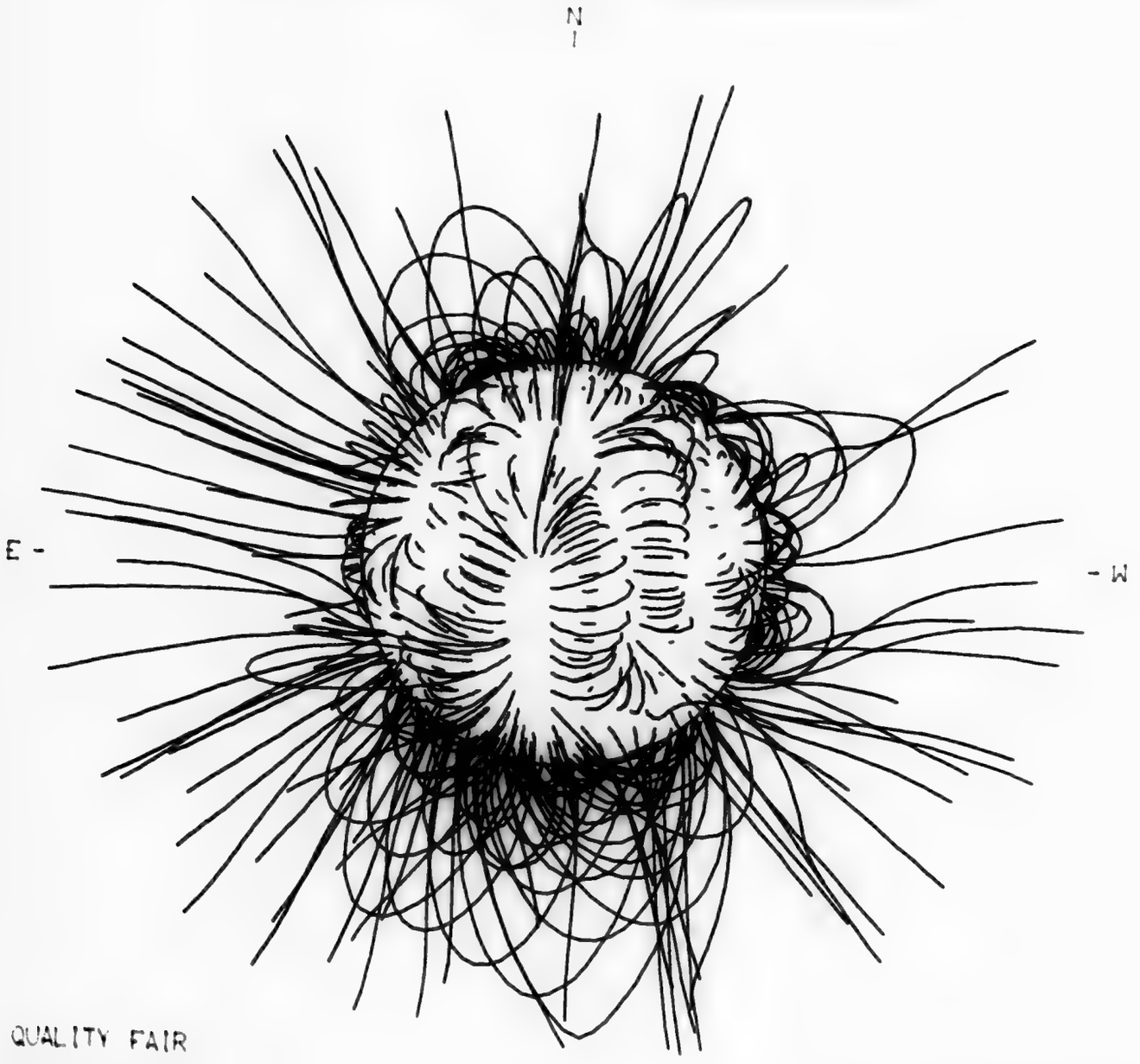
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1442 LONG. 20°

16.3 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

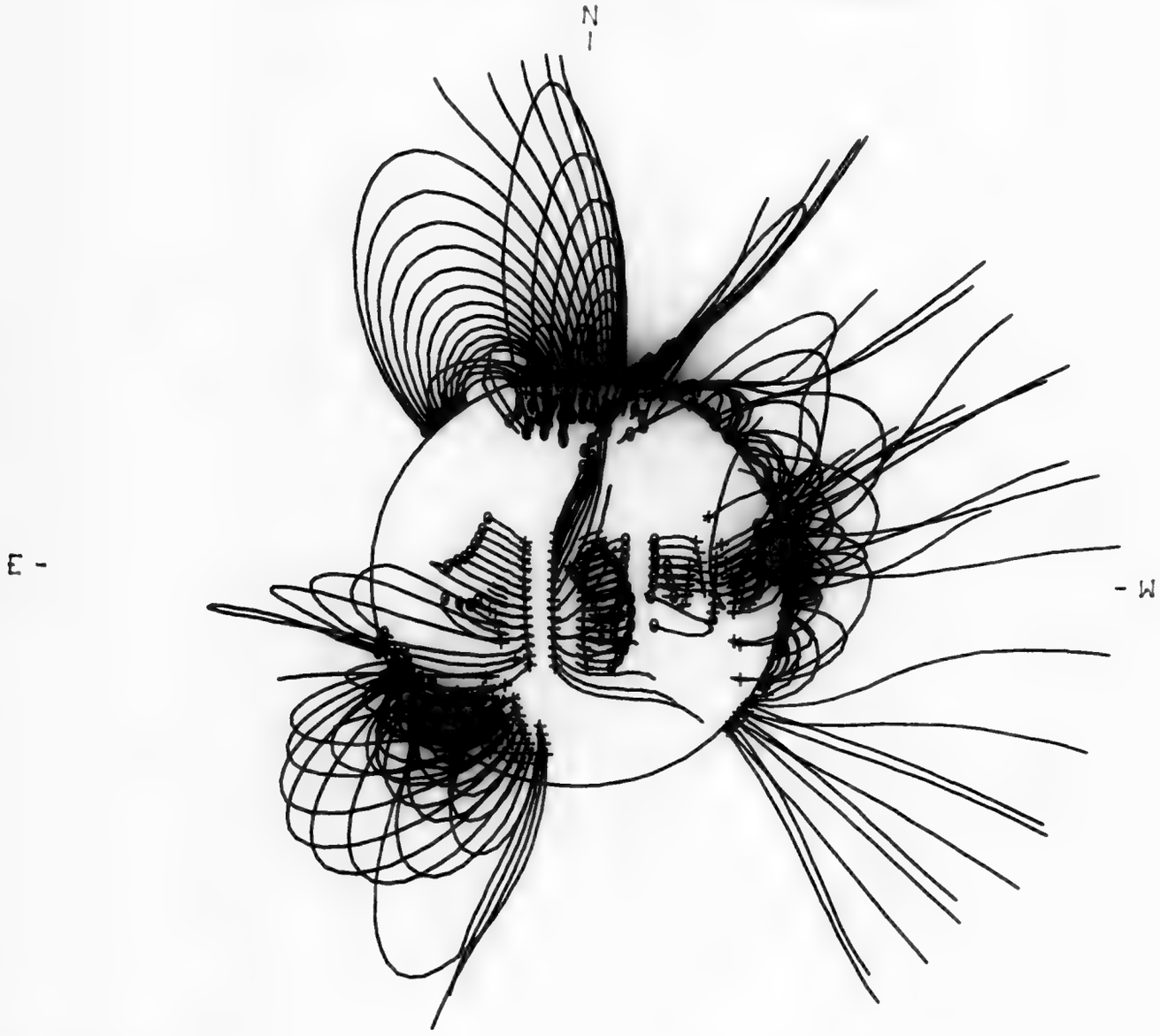
POLES DIRECT

DATA WINDOW 1.1.42.47

ROT. 1442 LONG. 10°

17.0 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

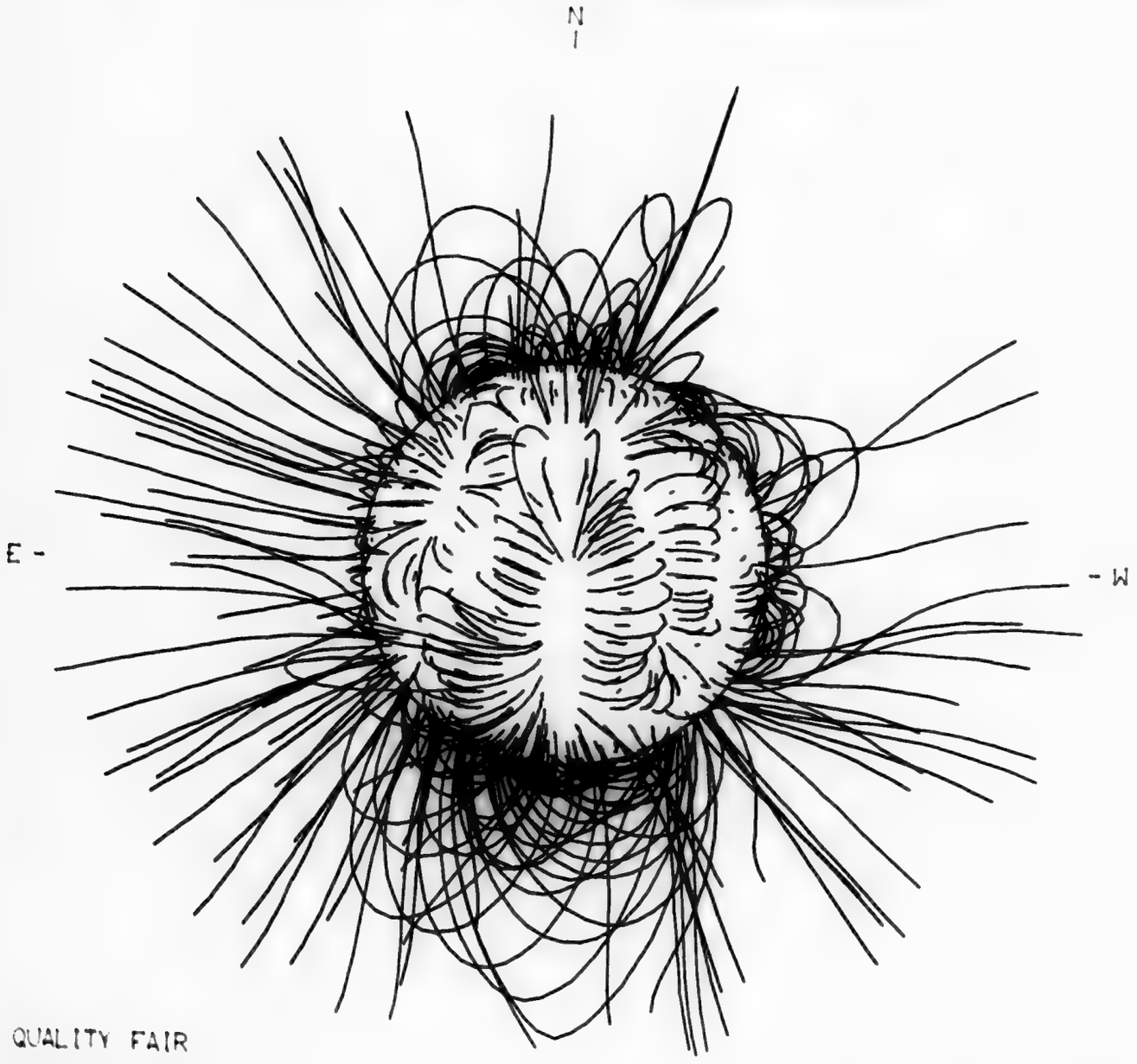
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1442 LONG. 10°

17.0 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

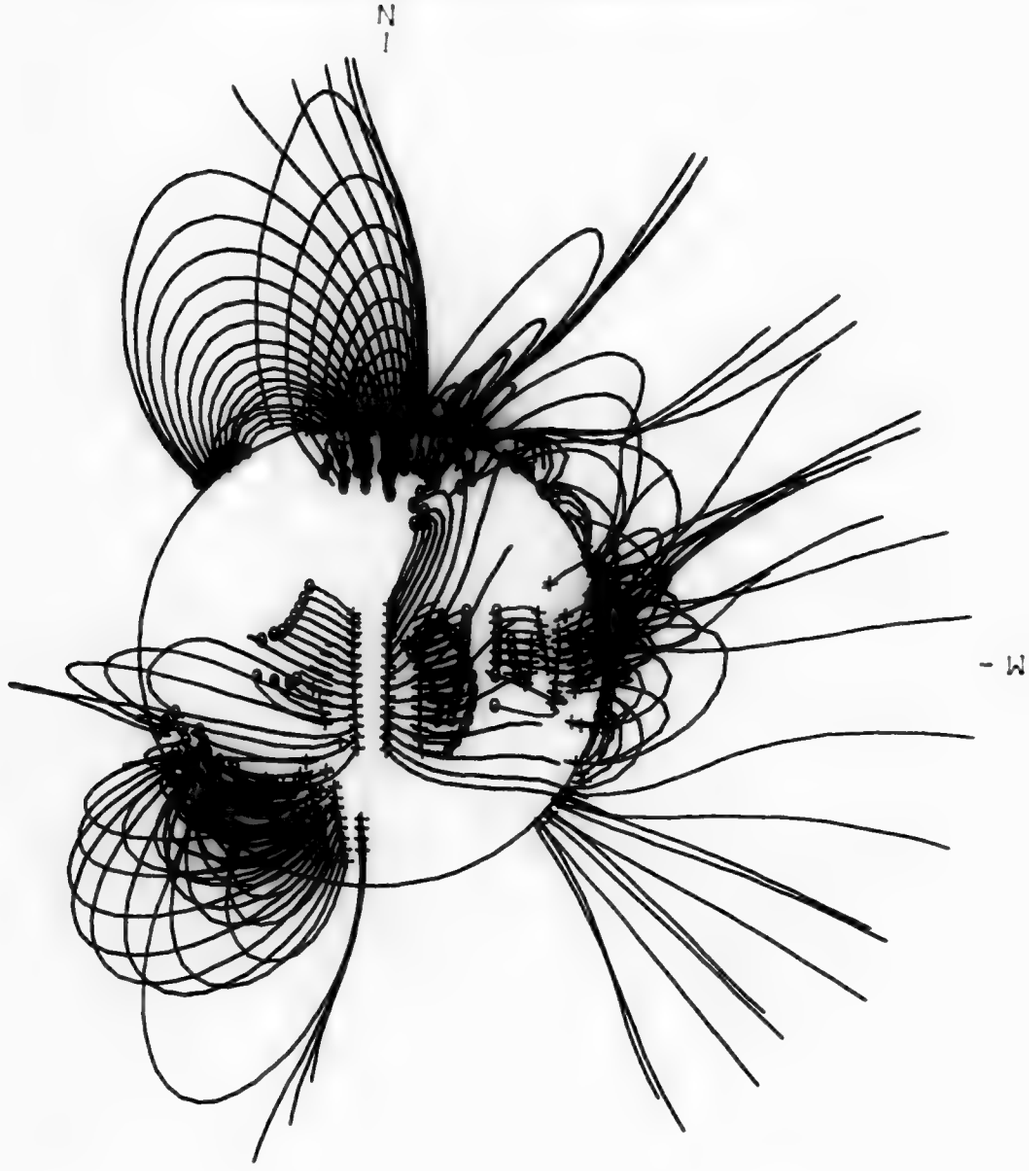
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1442 LONG. 0°

17.8 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

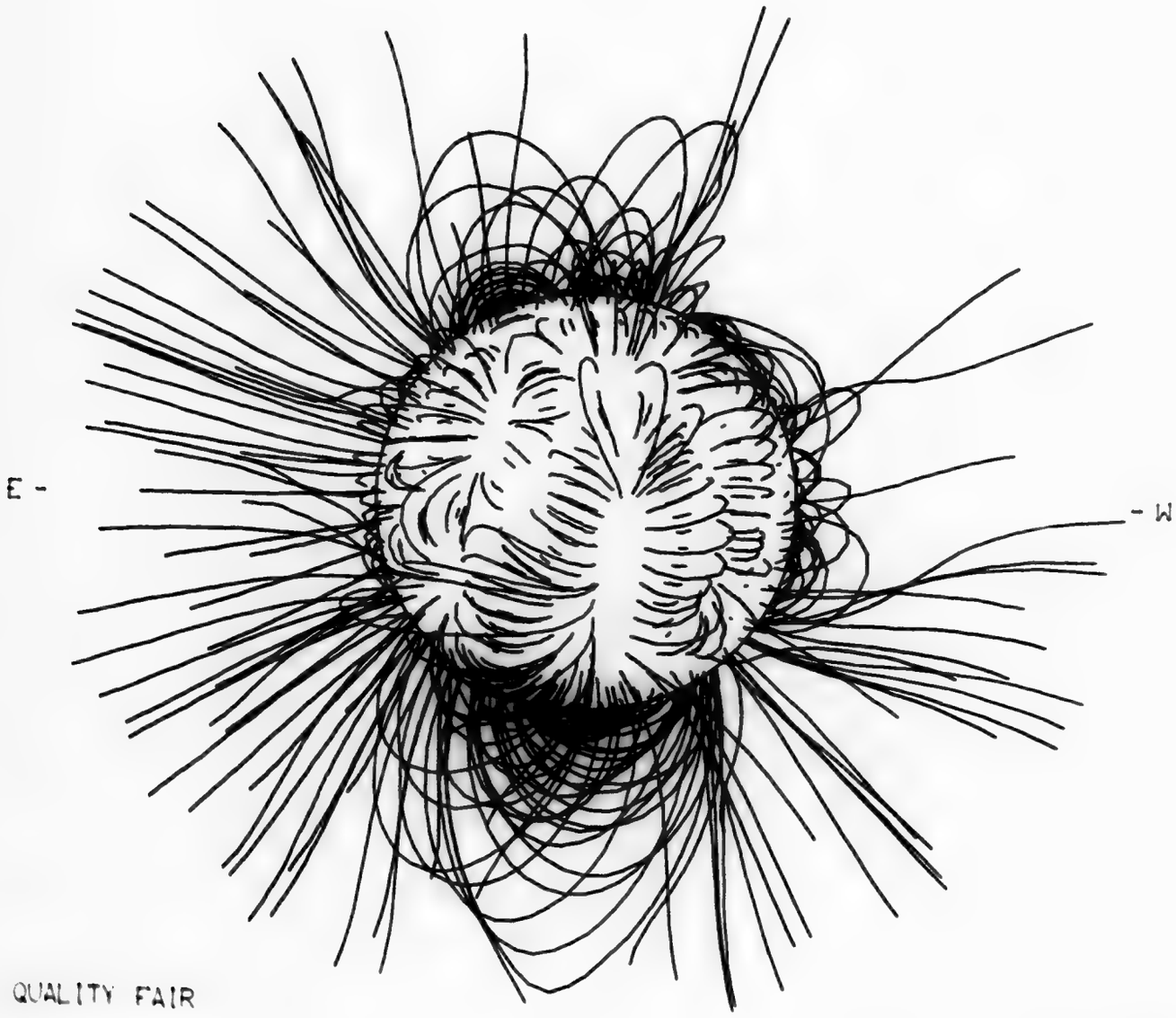
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1442 LONG. 0°

17.8 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1442.47

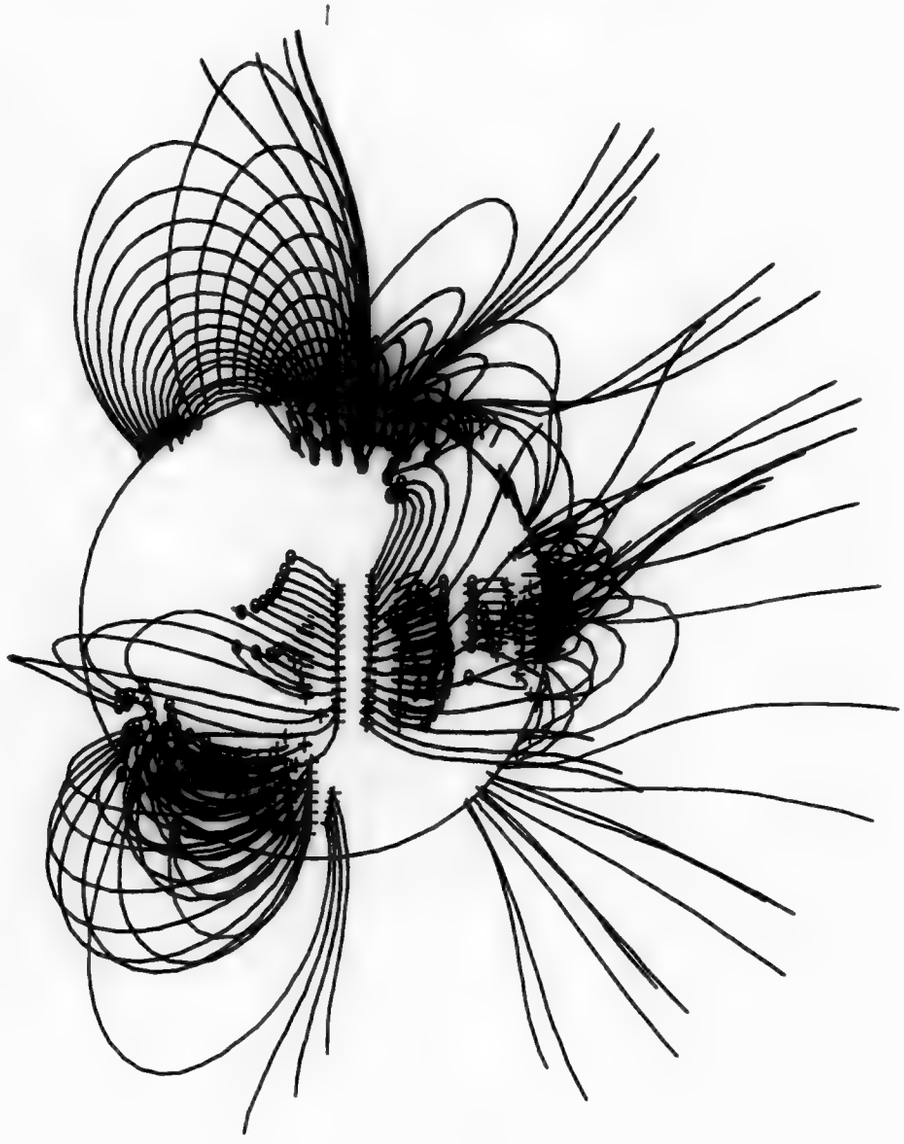
ROT. 1443 LONG. 350°

18.5 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY FAIR

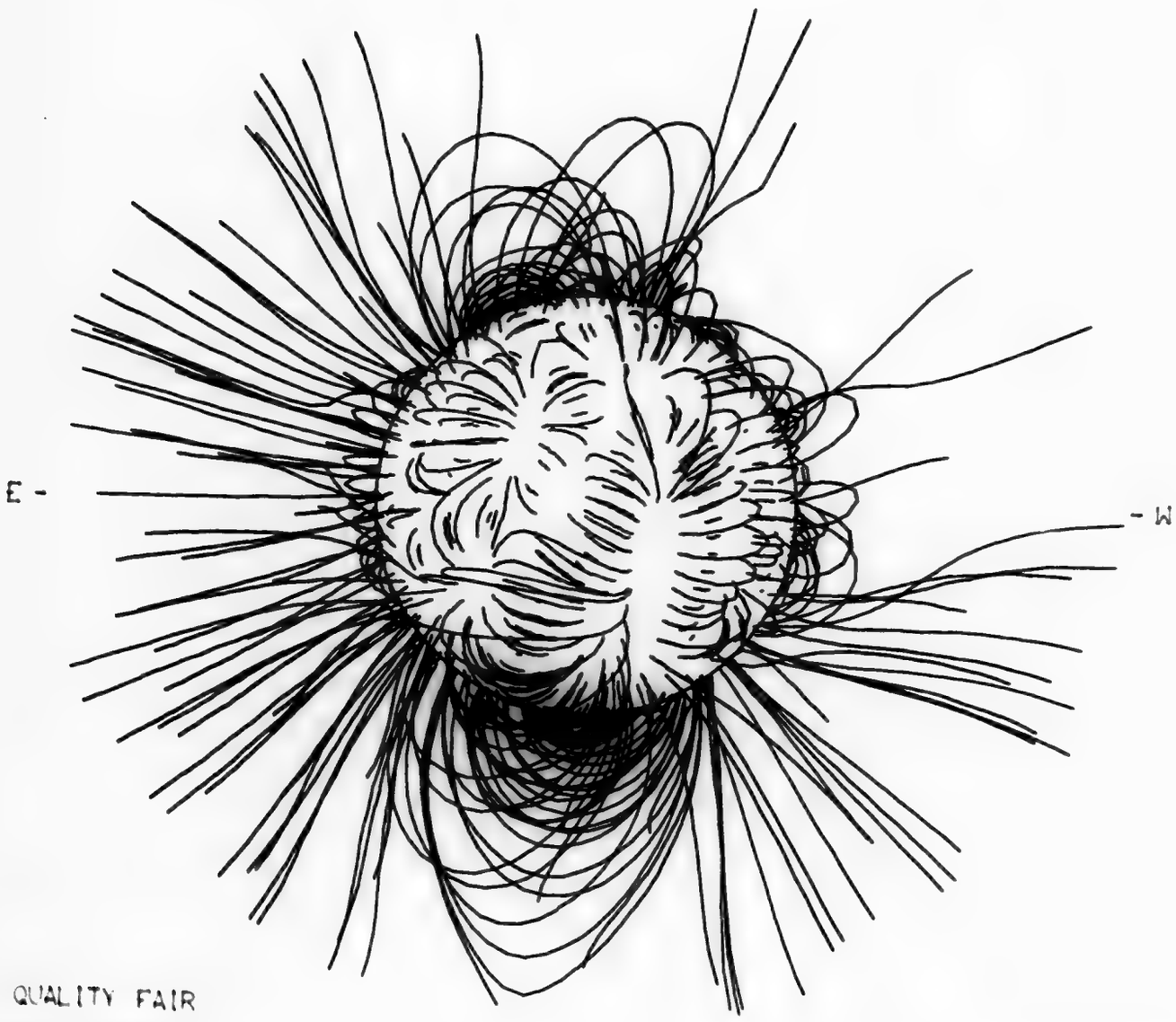
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1443 LONG. 350°

18.5 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1442.47

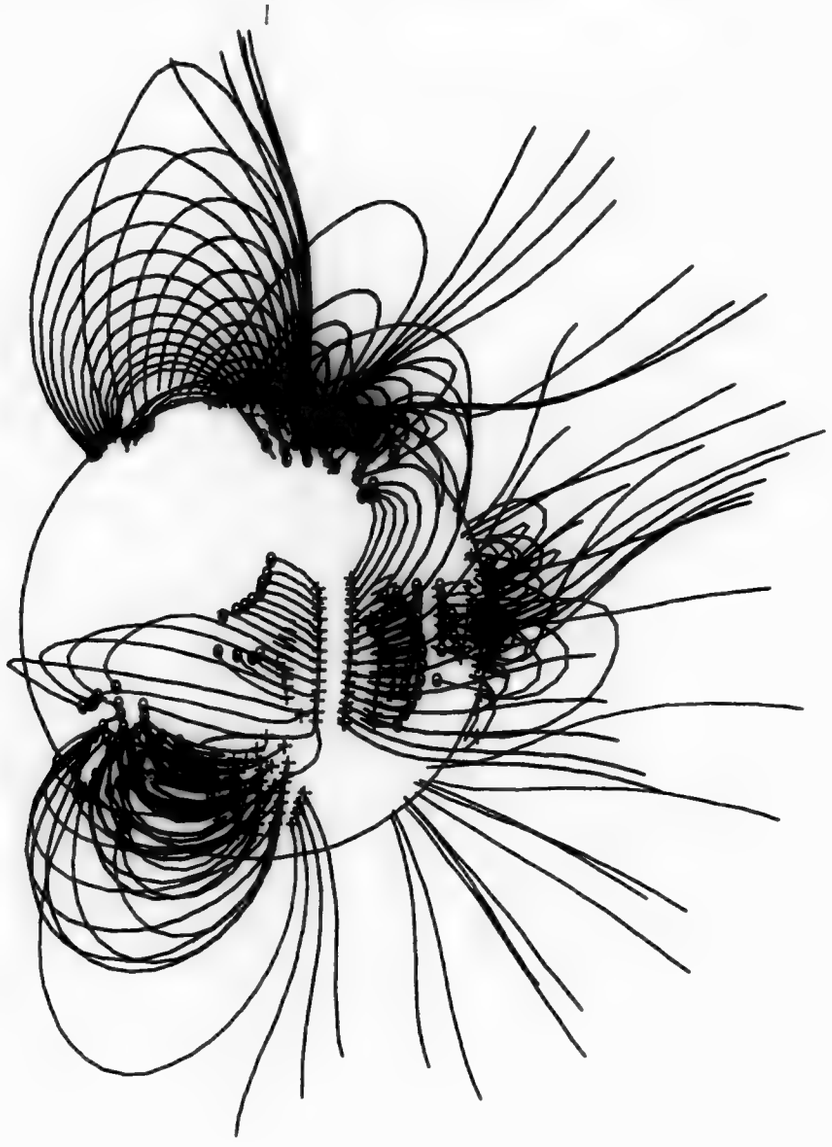
ROT. 1443 LONG. 340°

19.3 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY FAIR

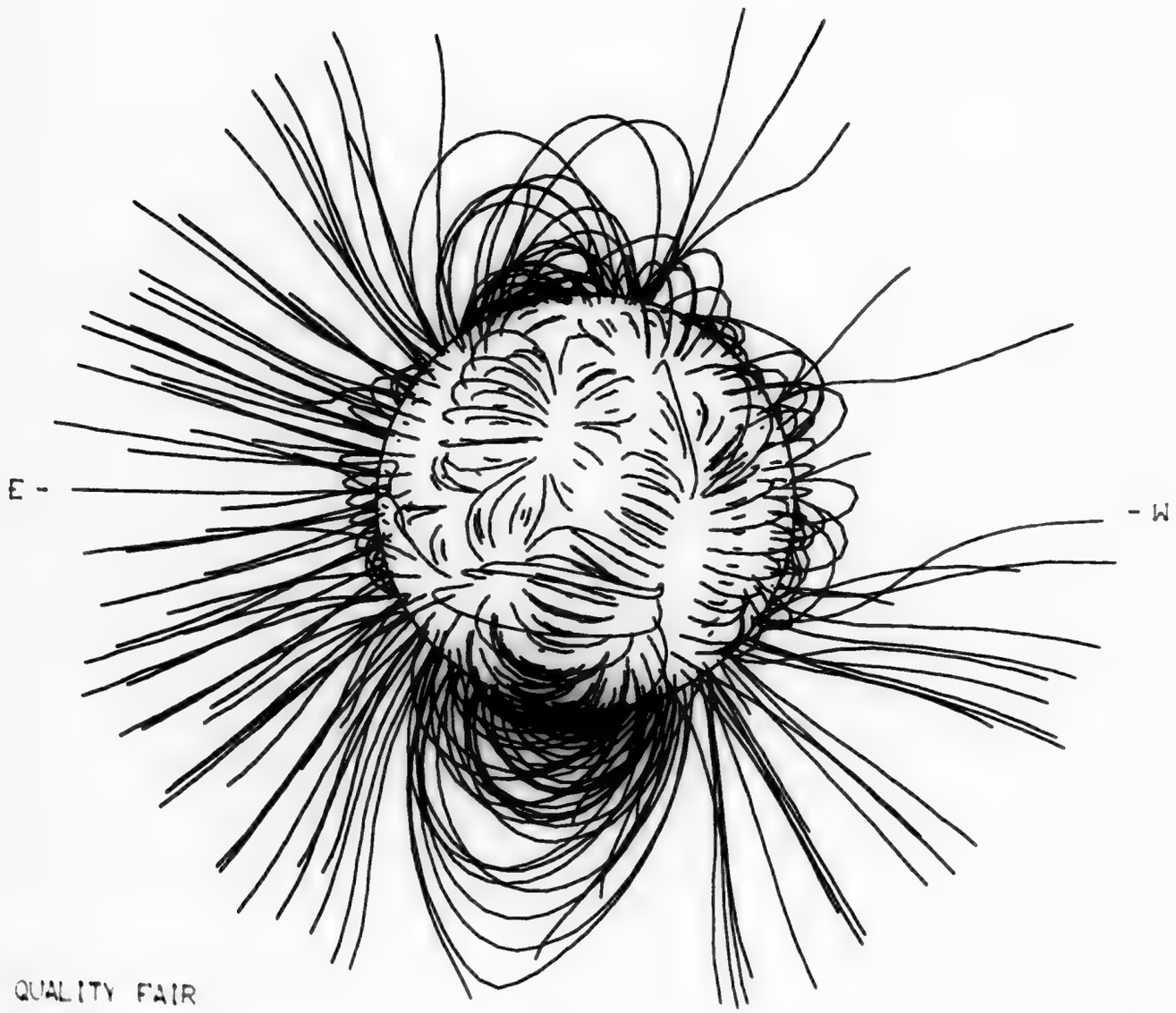
POLES DIRECT

DATA WINDOW 1.1.2.47

ROT. 1443 LONG. 340°

19.3 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1442.47

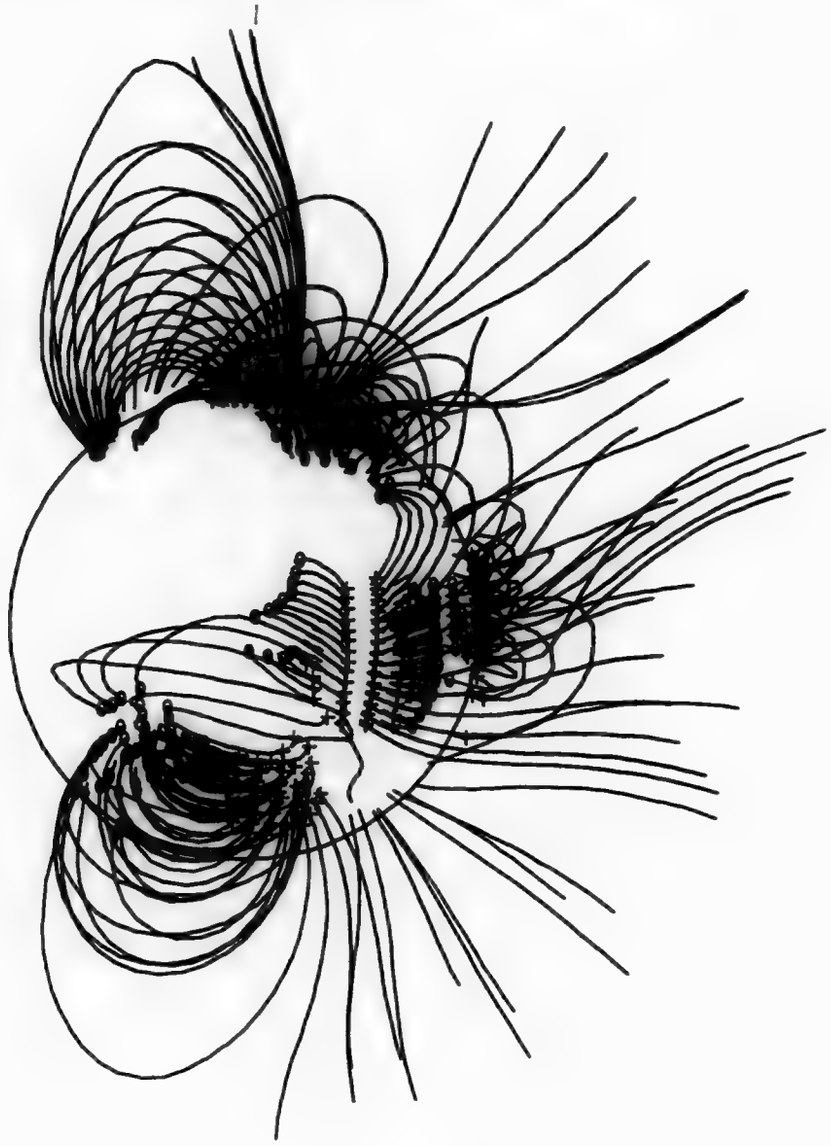
ROT. 1443 LONG. 330°

20.1 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY FAIR

POLES DIRECT

DATA WINDOW 1442.47

ROT. 1443 LONG. 330°

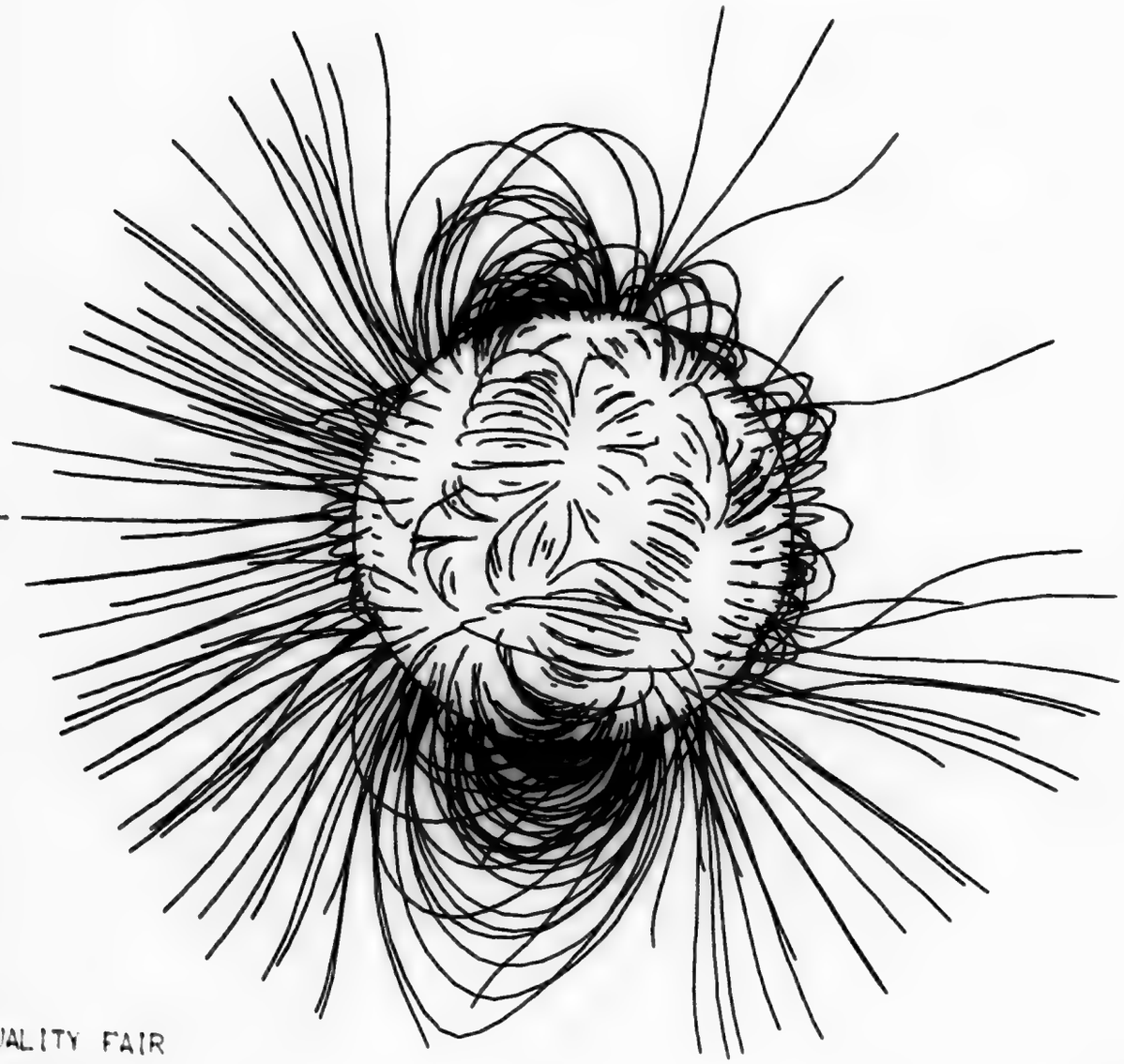
20.1 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY FAIR

POLES DIRECT

DATA WINDOW 1442.47

ROT. 1443 LONG. 320°

20.8 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

QUALITY FAIR

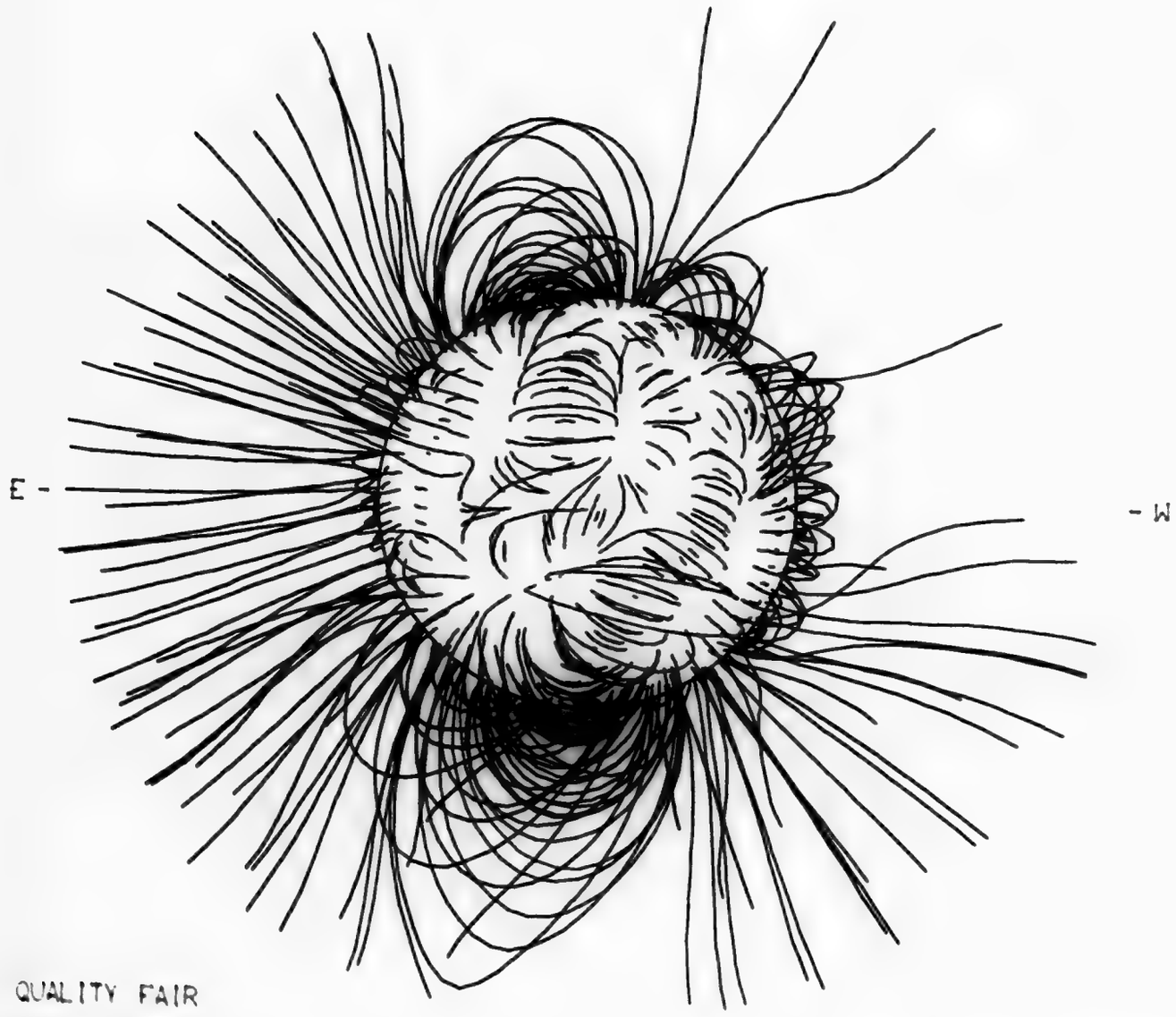
POLES DIRECT

DATA WINDOW 1.1.42.47

ROT. 1443 LONG. 320°

20.8 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

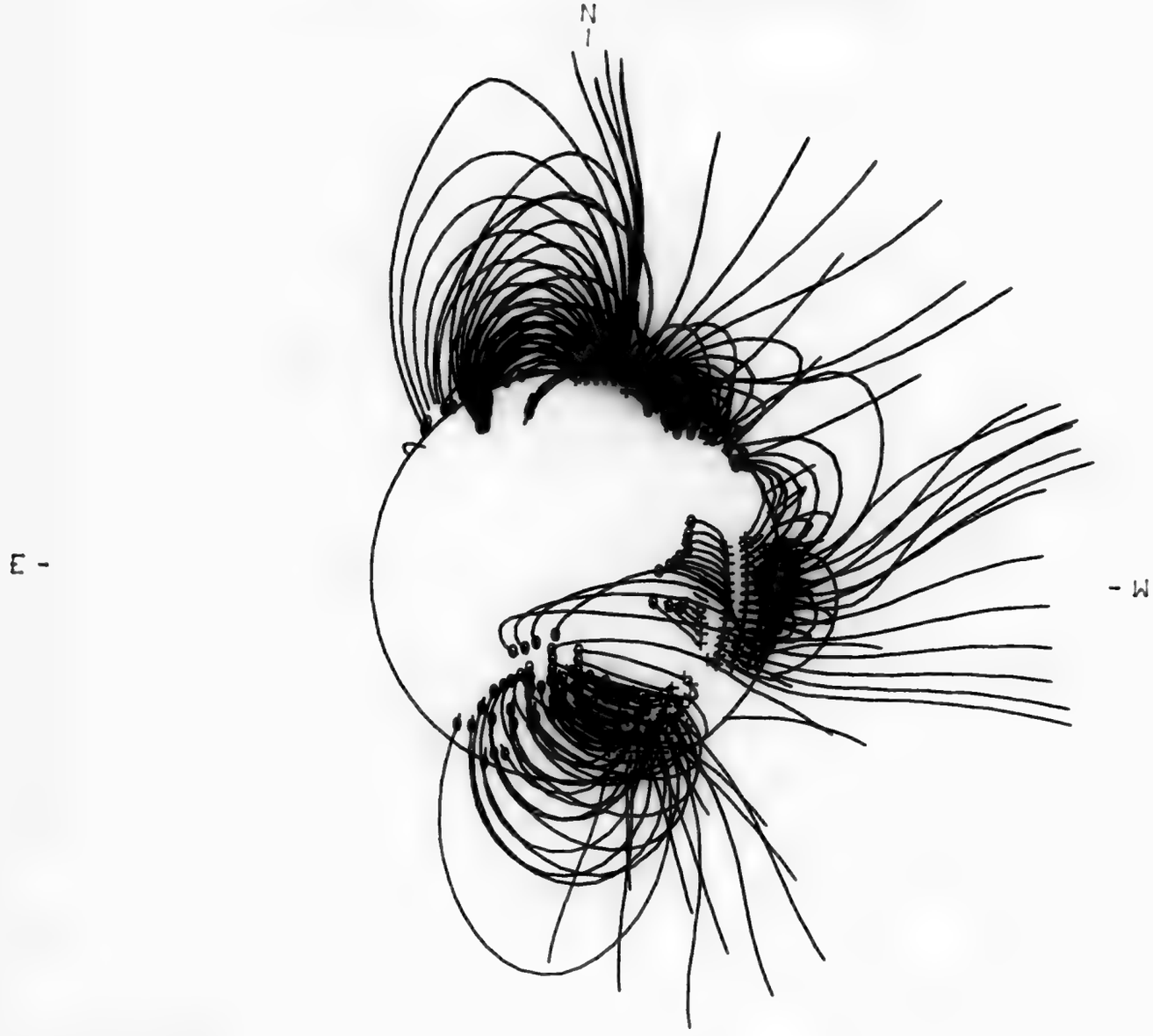
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1443 LONG. 310°

21.6 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1442.47

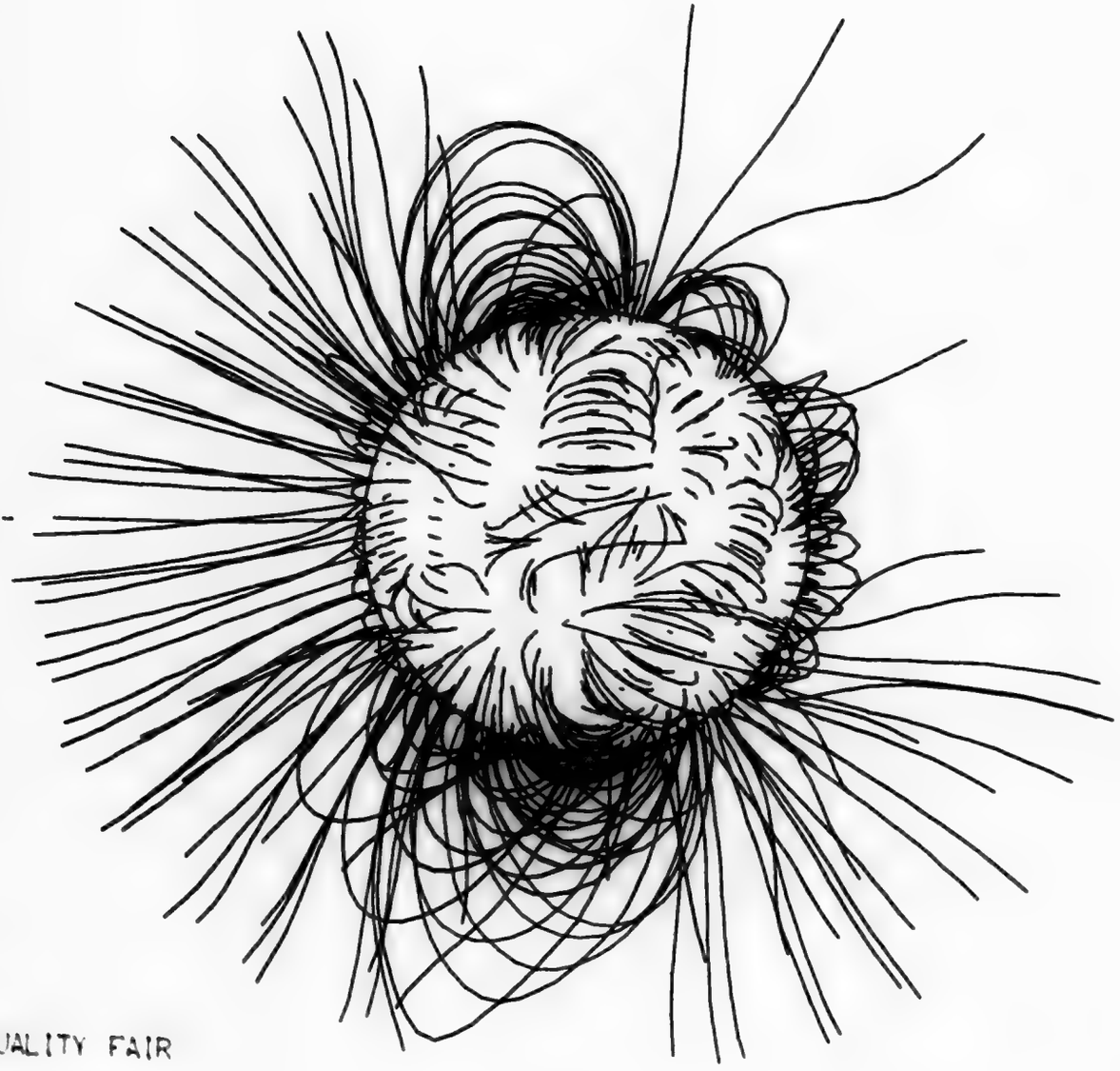
ROT. 1443 LONG. 310°
21.6 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY FAIR

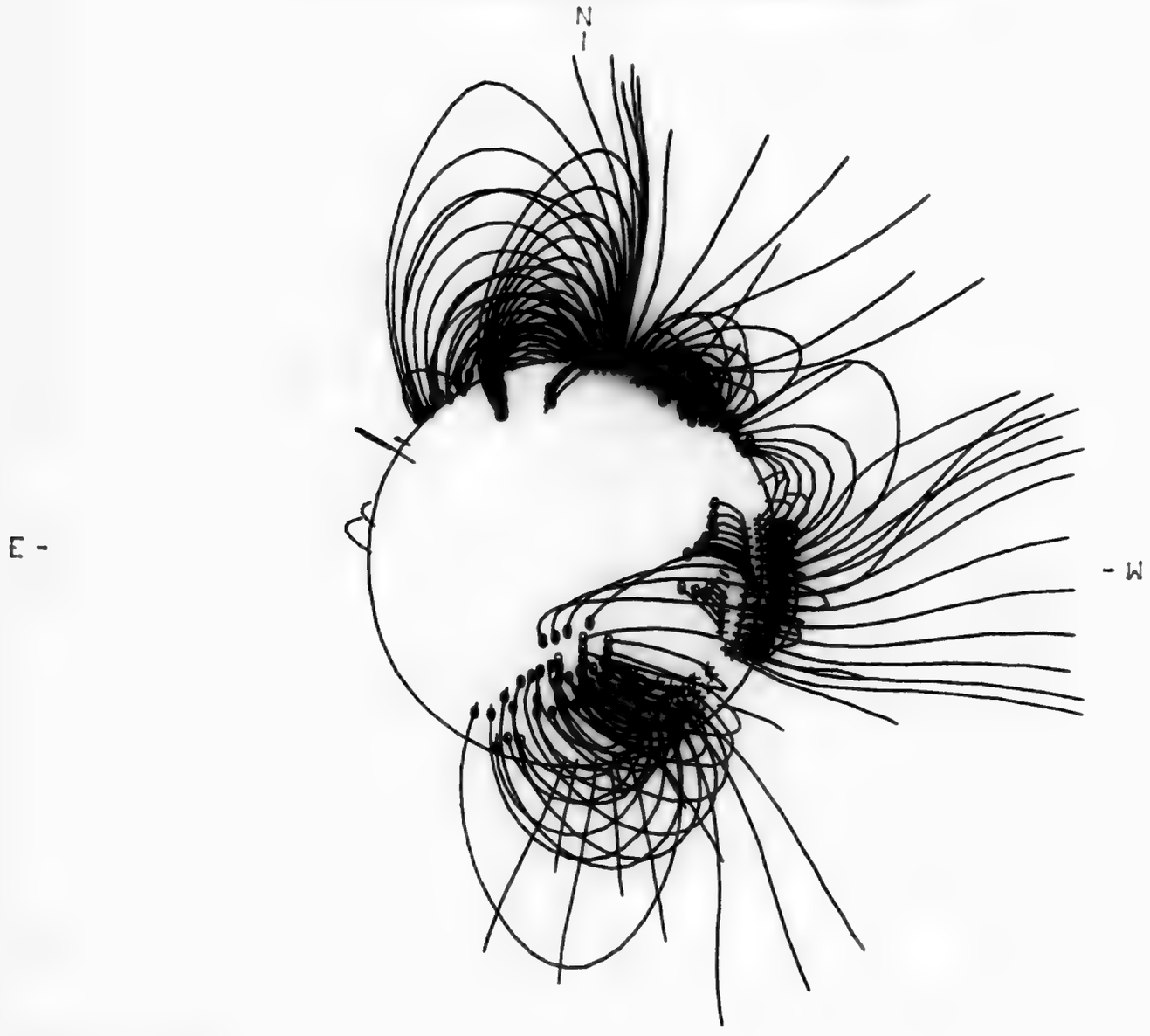
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1443 LONG. 300°

22.3 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1442.47

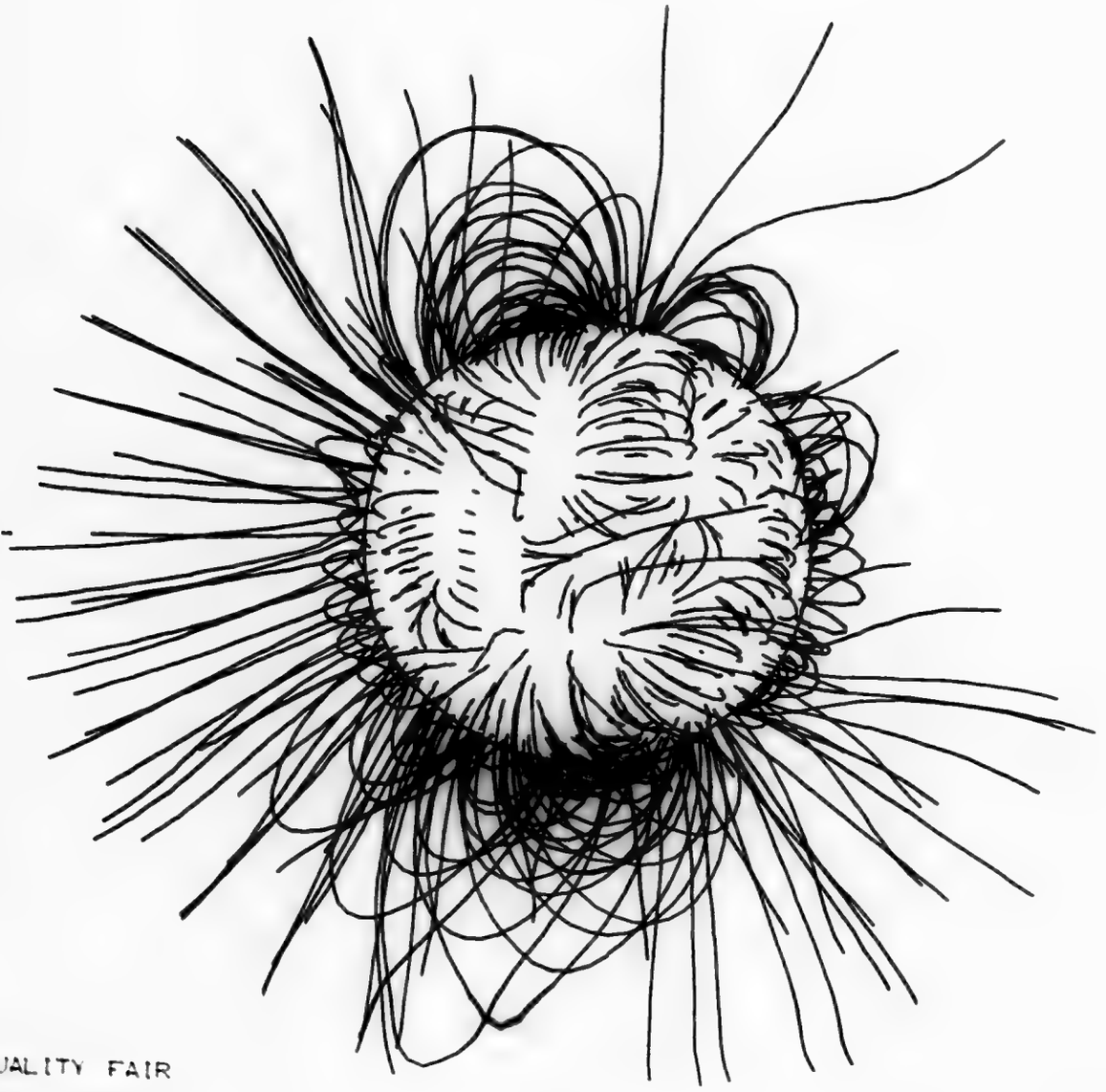
ROT. 1443 LONG. 300°
22.3 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY FAIR

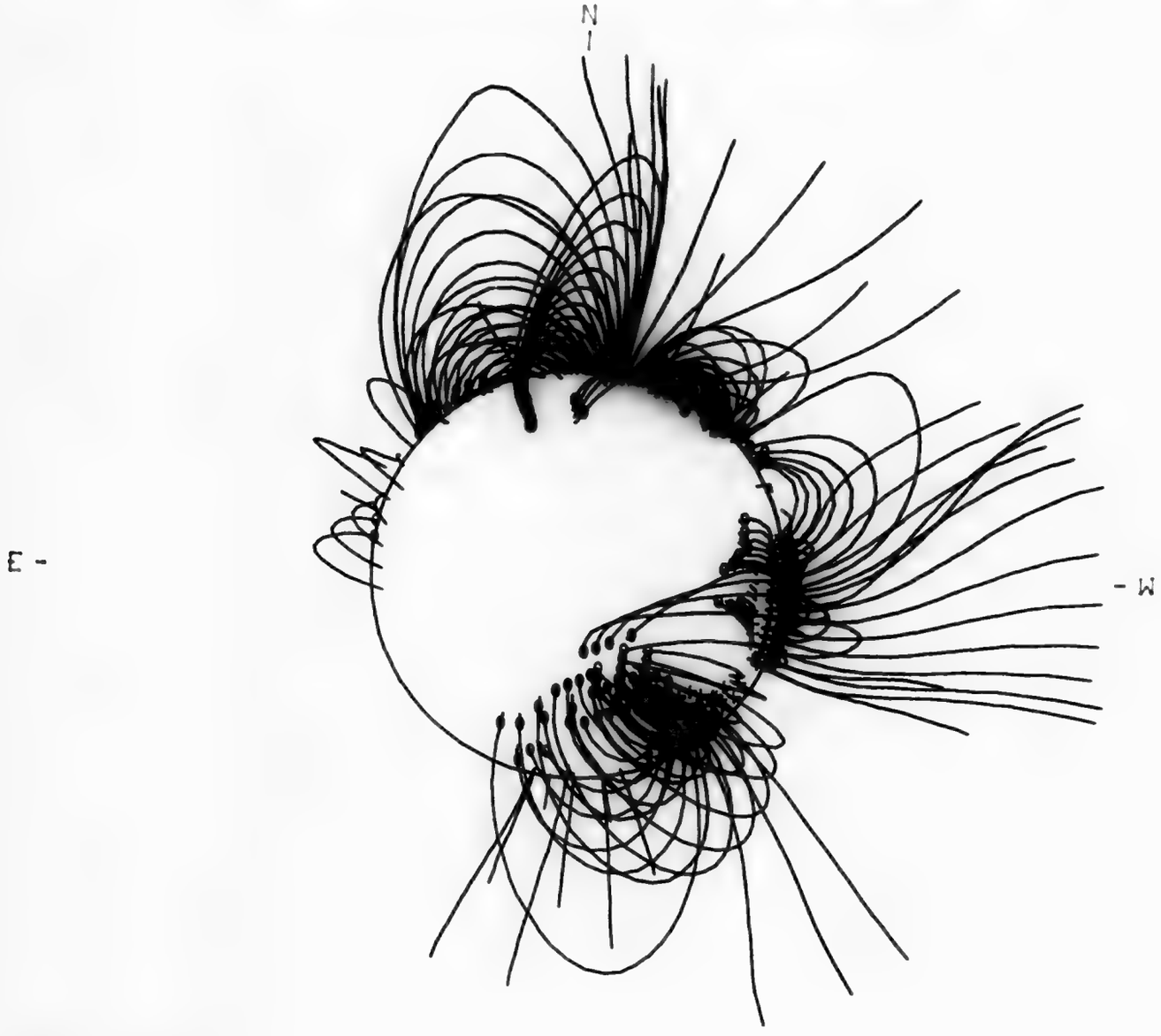
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1443 LONG. 290°

23.1 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

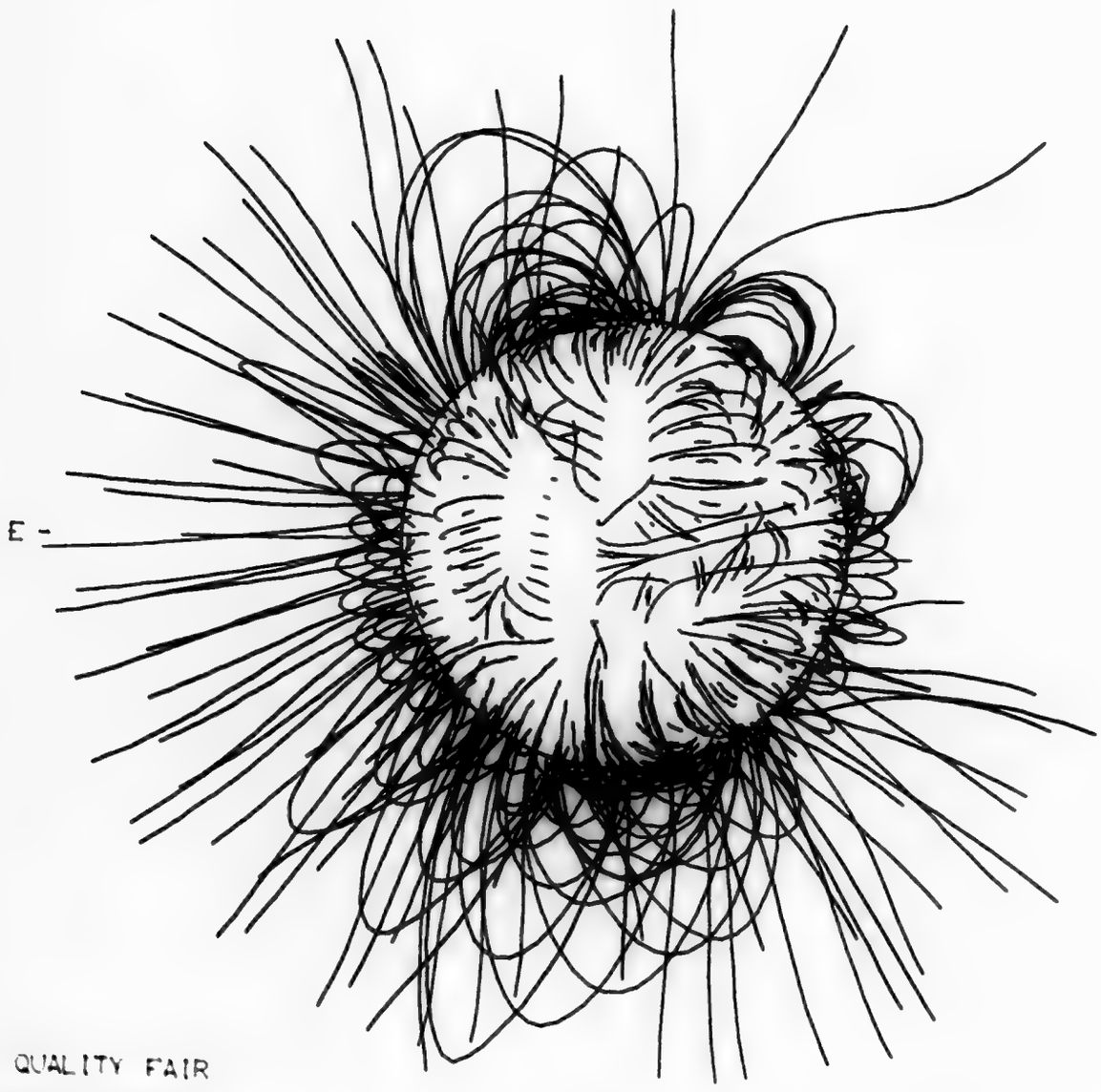
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1443 LONG. 290°

23.1 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

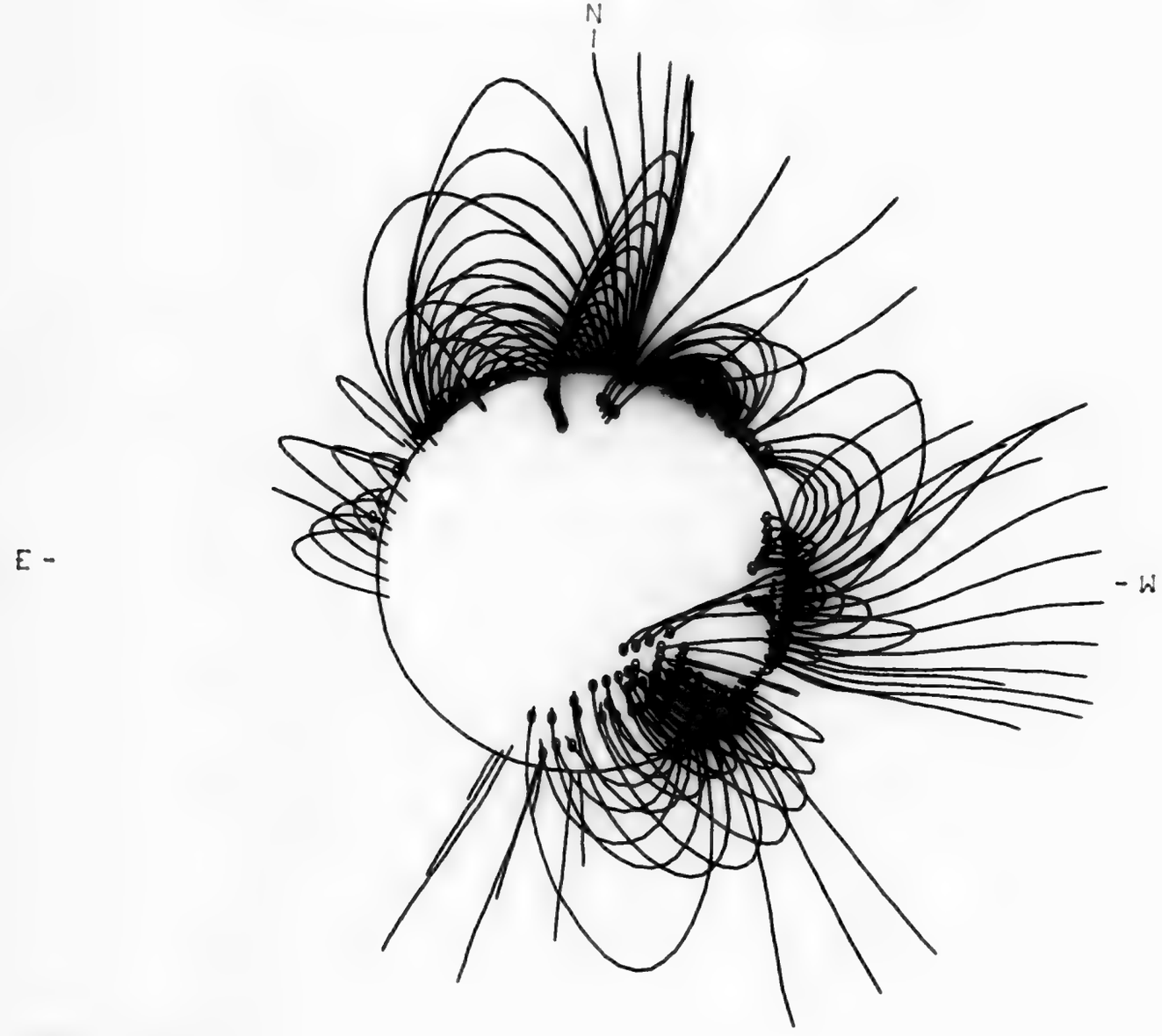
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1443 LONG. 280°

23.9 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

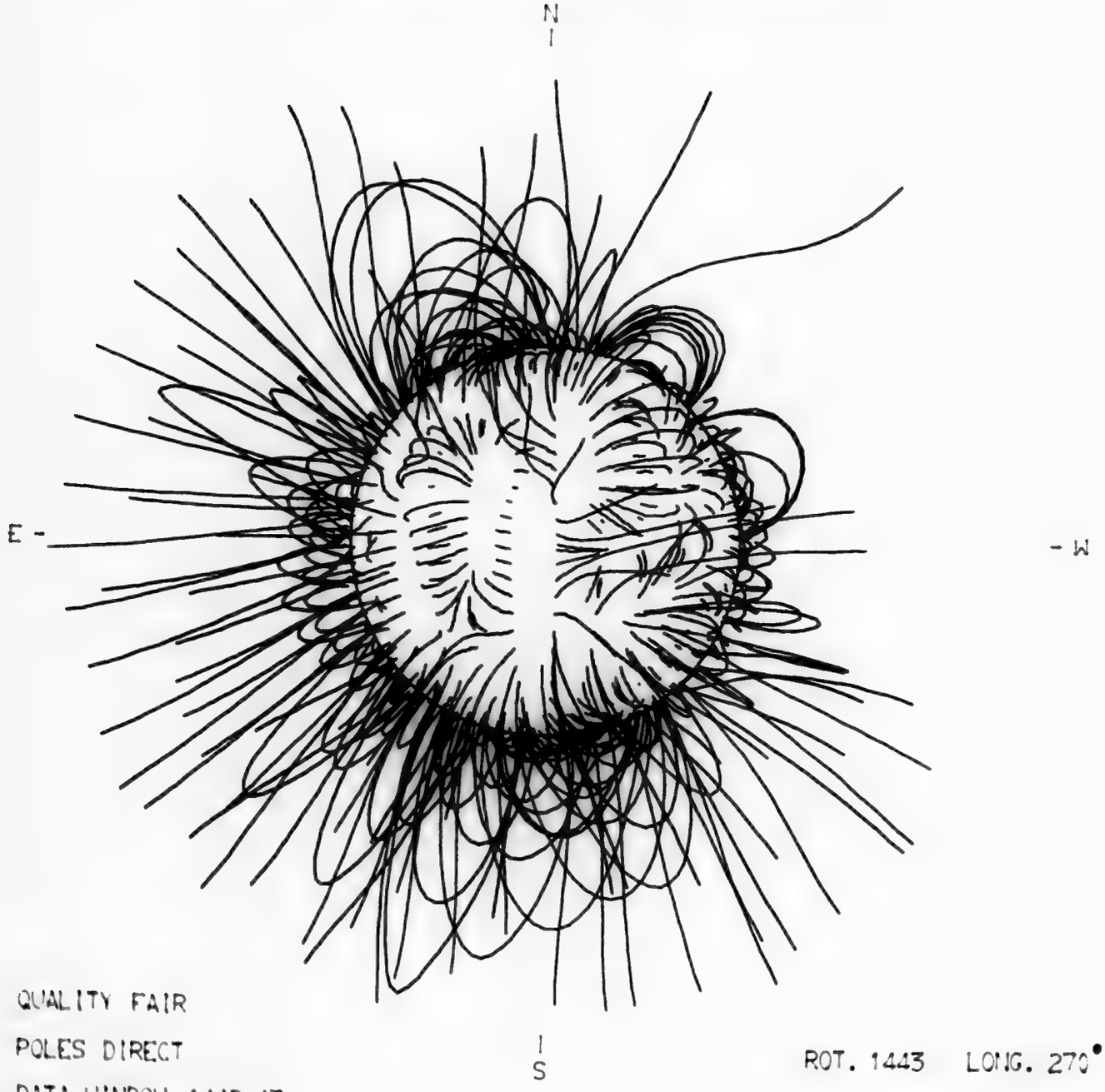
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1443 LONG. 280°

23.9 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

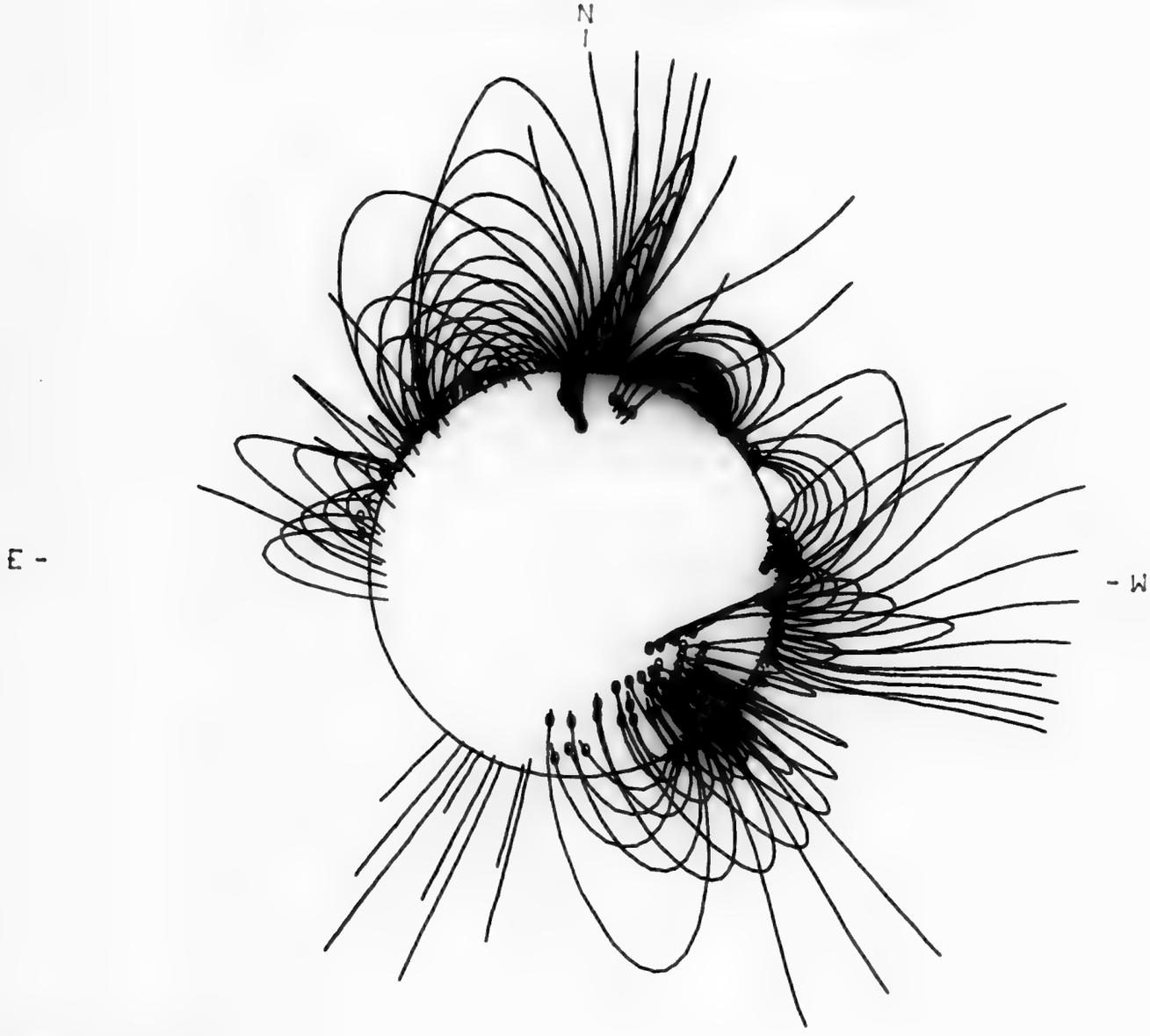
POLES DIRECT

DATA WINDOW 1442.47

ROT. 1443 LONG. 270°

24.6 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

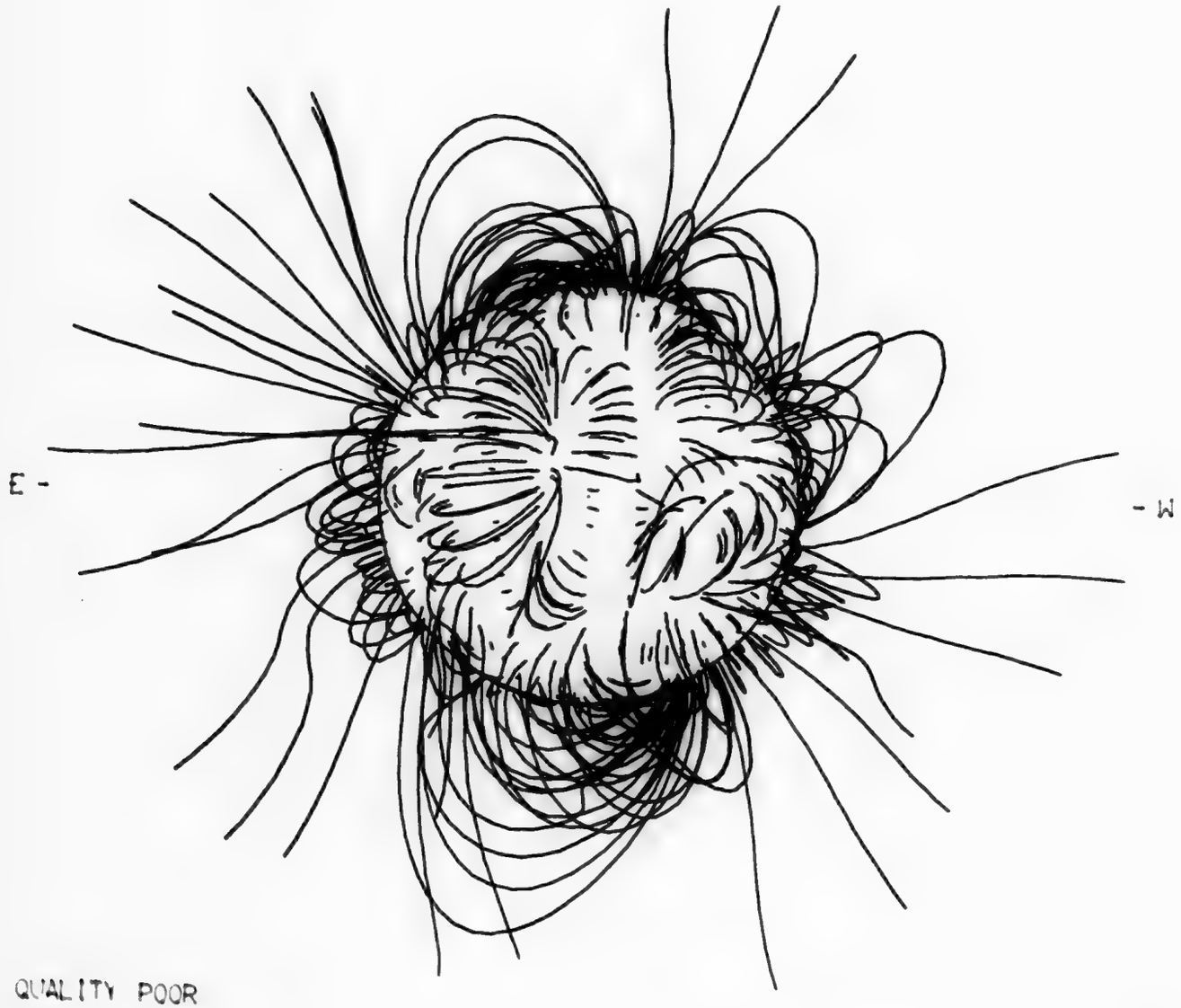
DATA WINDOW 1442.47

ROT. 1443 LONG. 270°

24.6 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

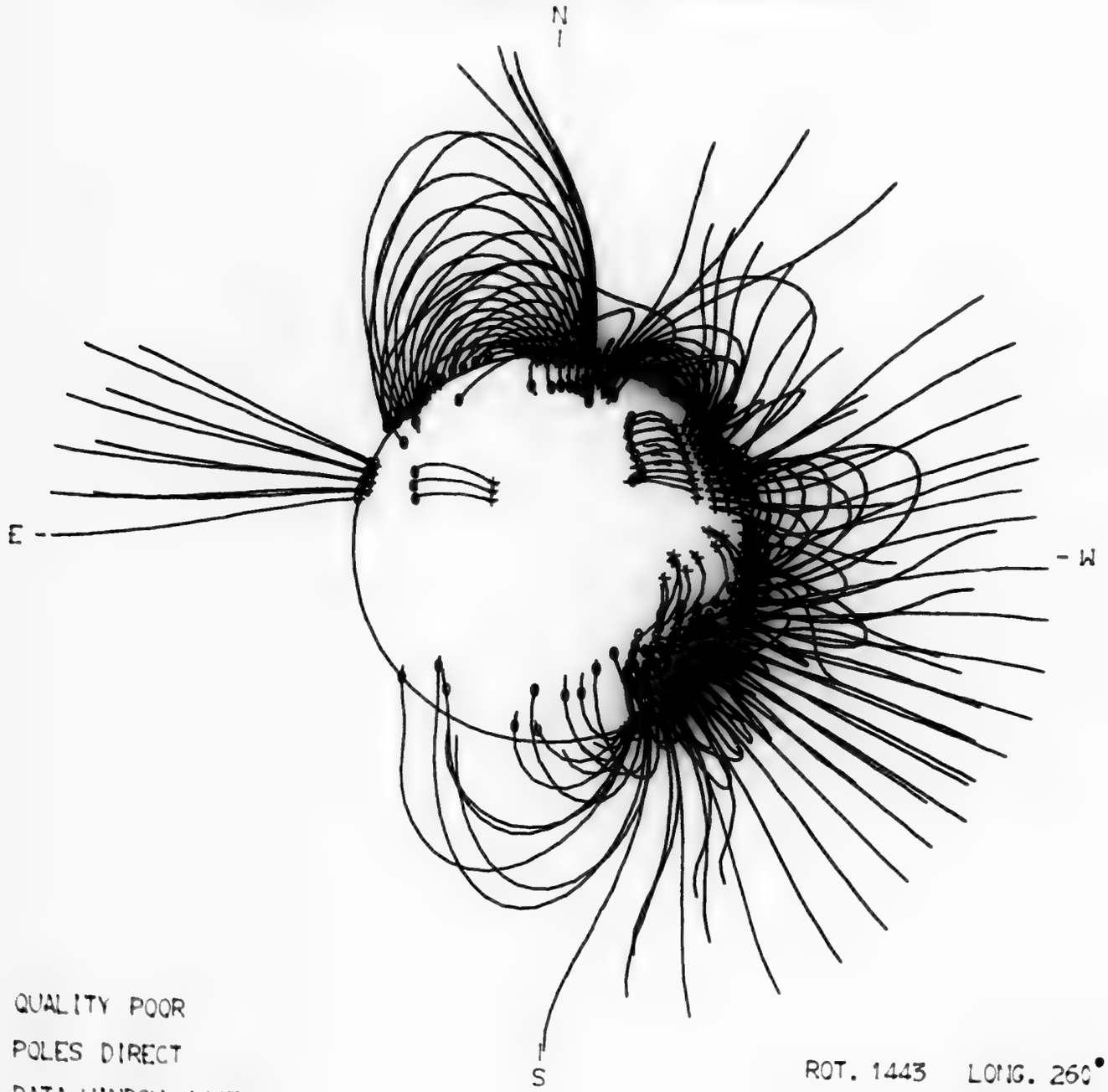
POLES DIRECT

DATA WINDOW 1443.00

ROT. 1443 LONG. 260°

25.3 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1443.00

ROT. 1443 LONG. 260°

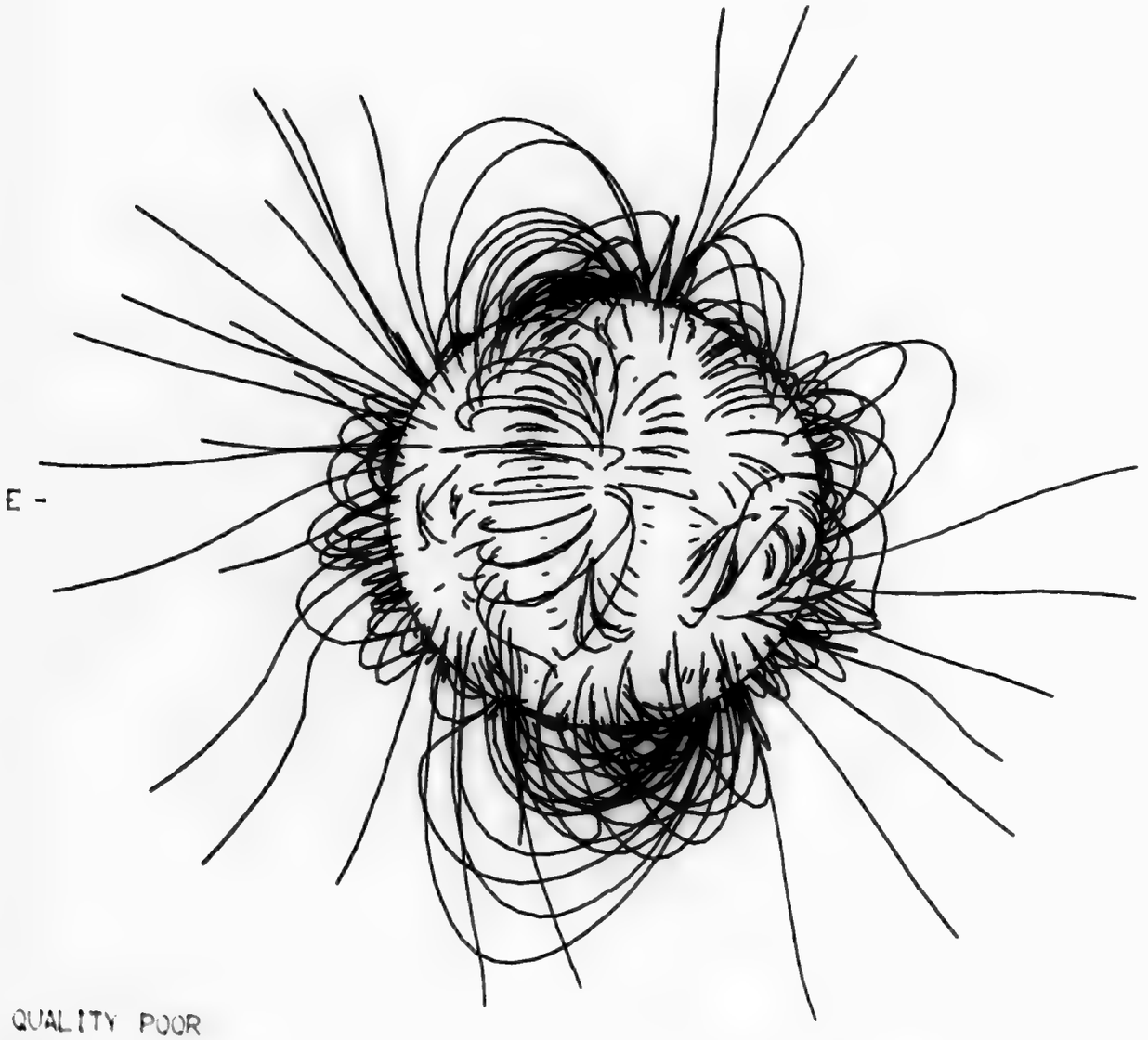
25.3 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

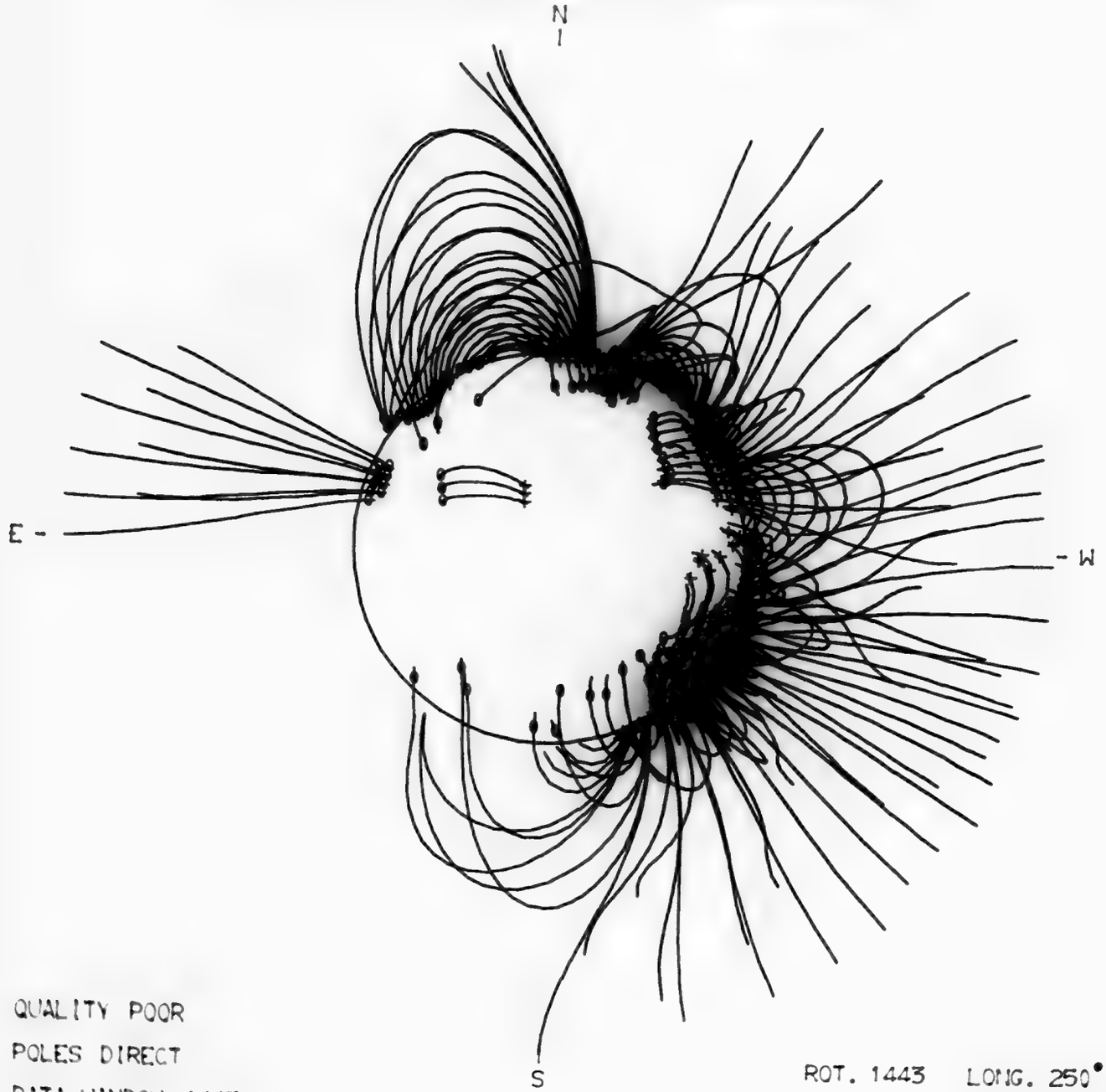
POLES DIRECT

DATA WINDOW 1.1.13.00

ROT. 1443 LONG. 250°

26.1 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

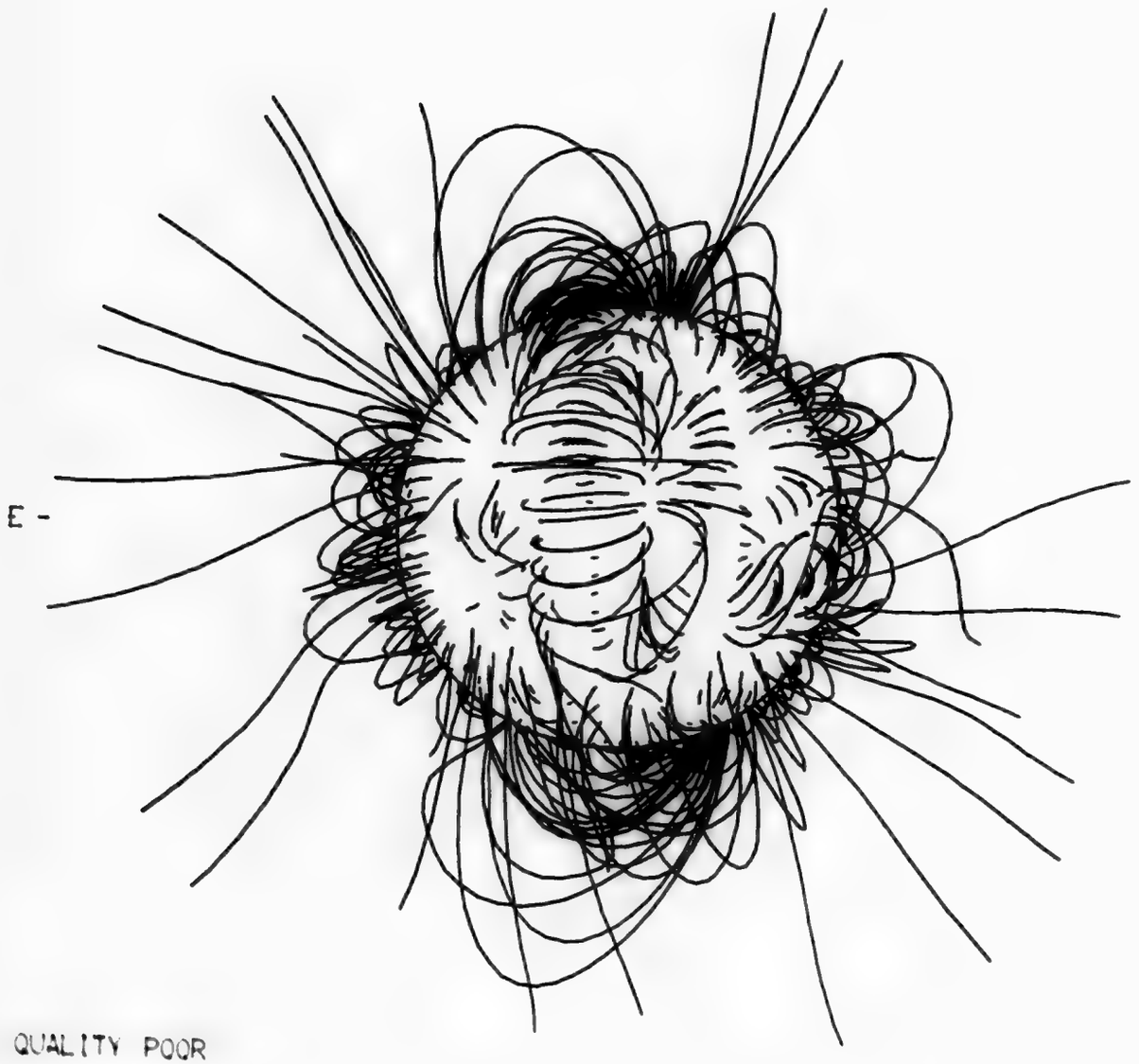
DATA WINDOW 1443.00

ROT. 1443 LONG. 250°

26.1 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

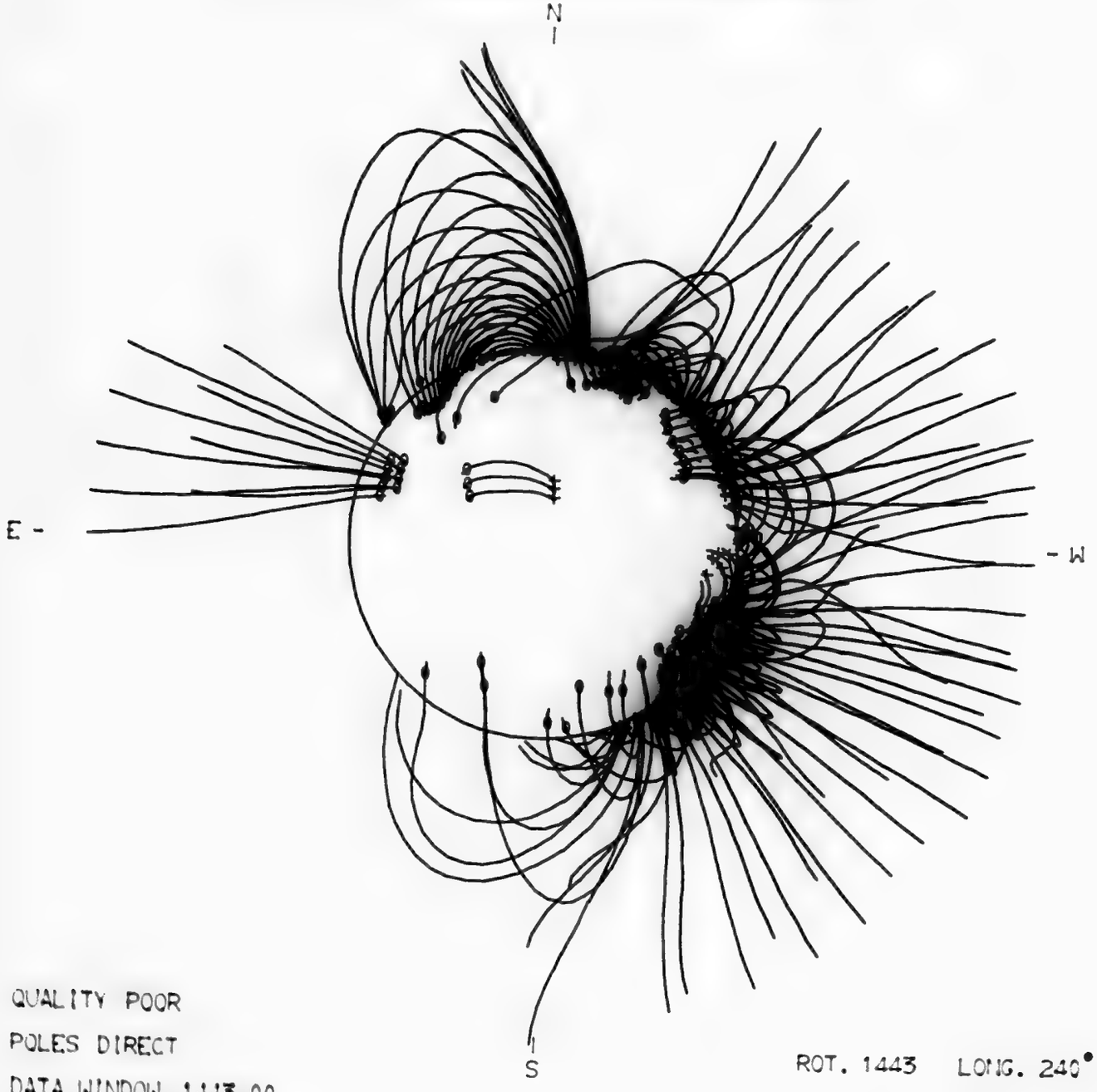
POLES DIRECT

DATA WINDOW 1.1.13.00

ROT. 1443 LONG. 240°

26.8 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.1.3.00

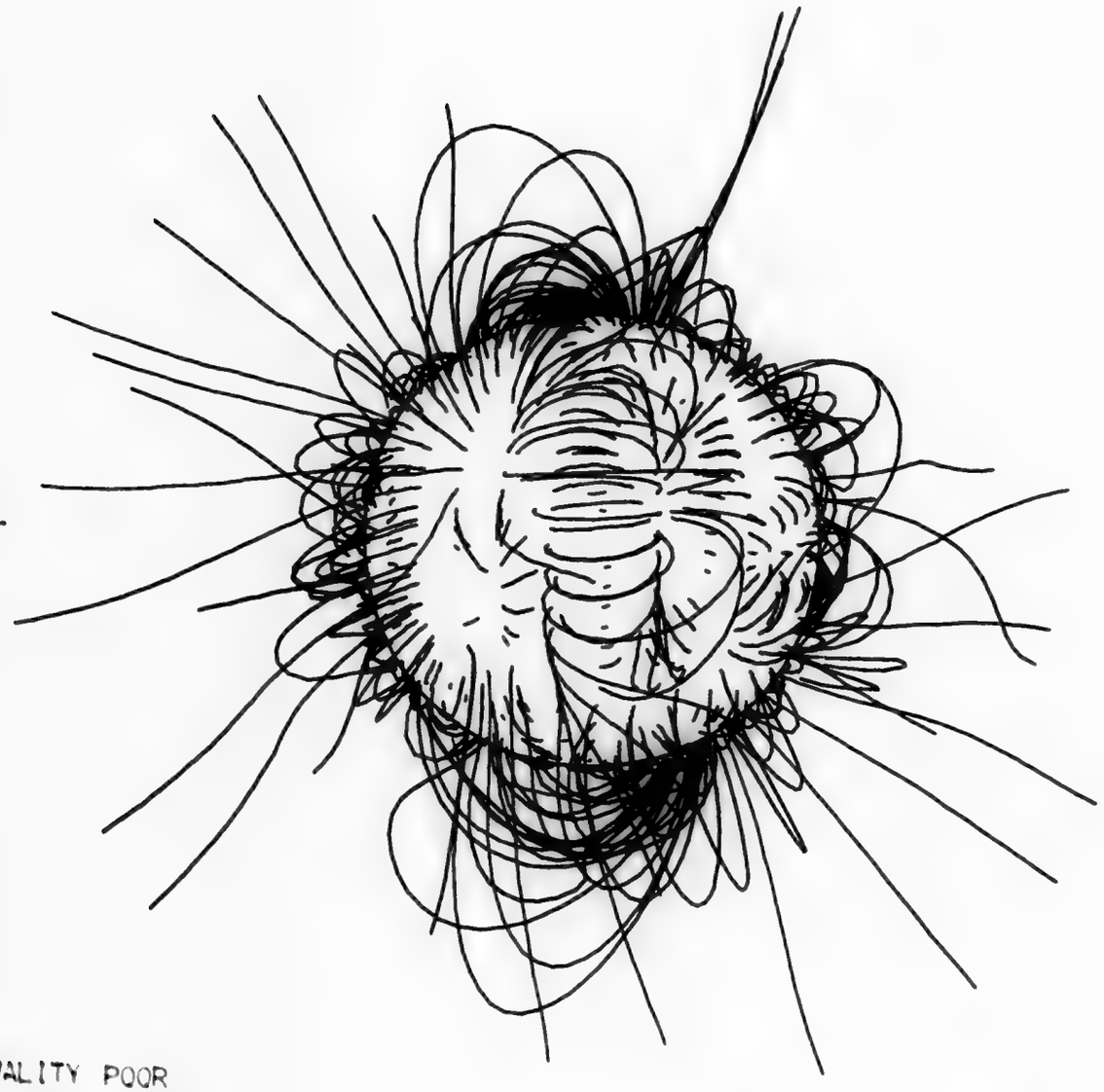
ROT. 1443 LONG. 240°

26.8 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

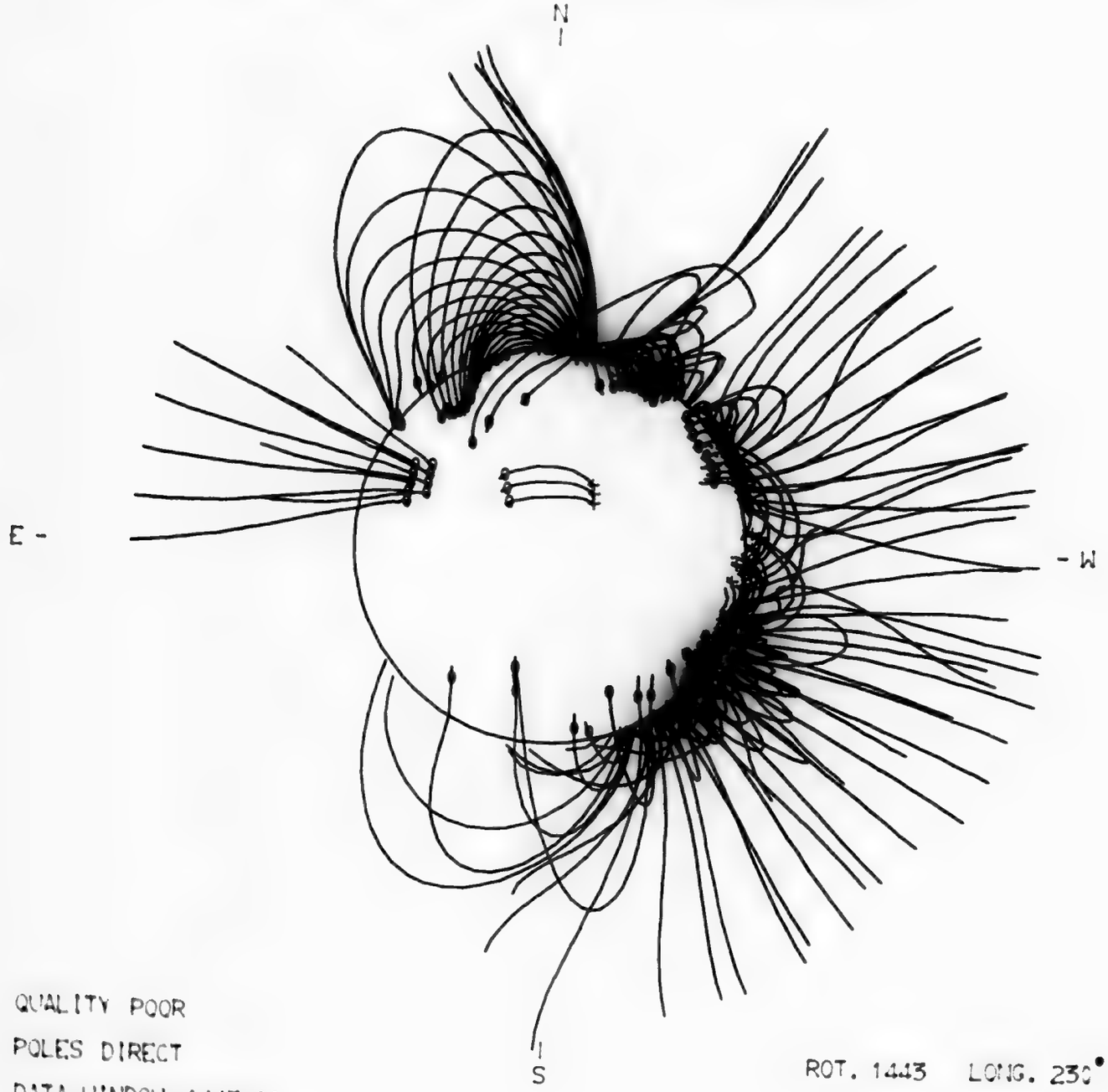
POLES DIRECT

DATA WINDOW 1.1.13.00

ROT. 1443 LONG. 230°

27.6 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.1.13.00

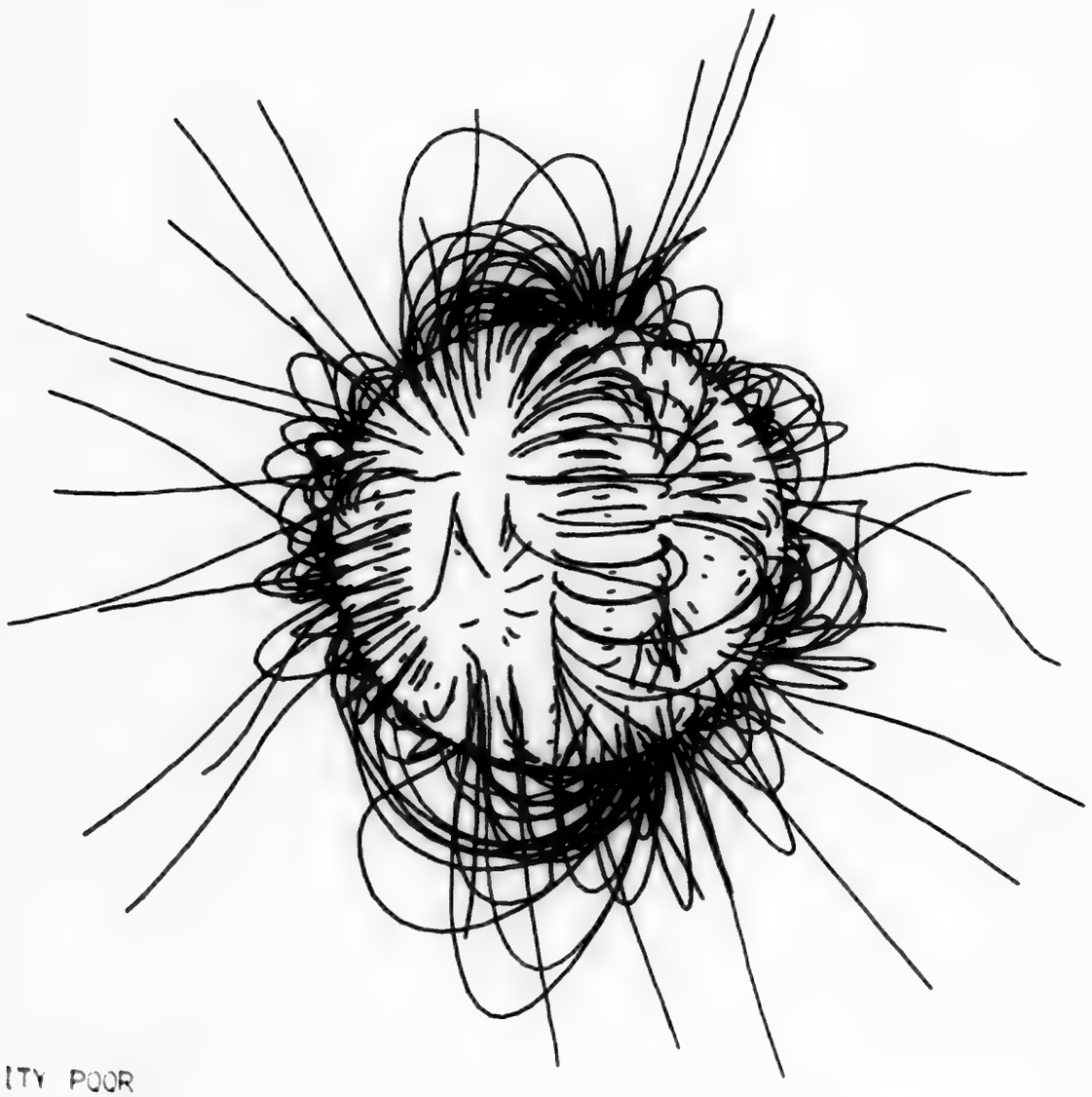
ROT. 1443 LONG. 230°

27.6 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

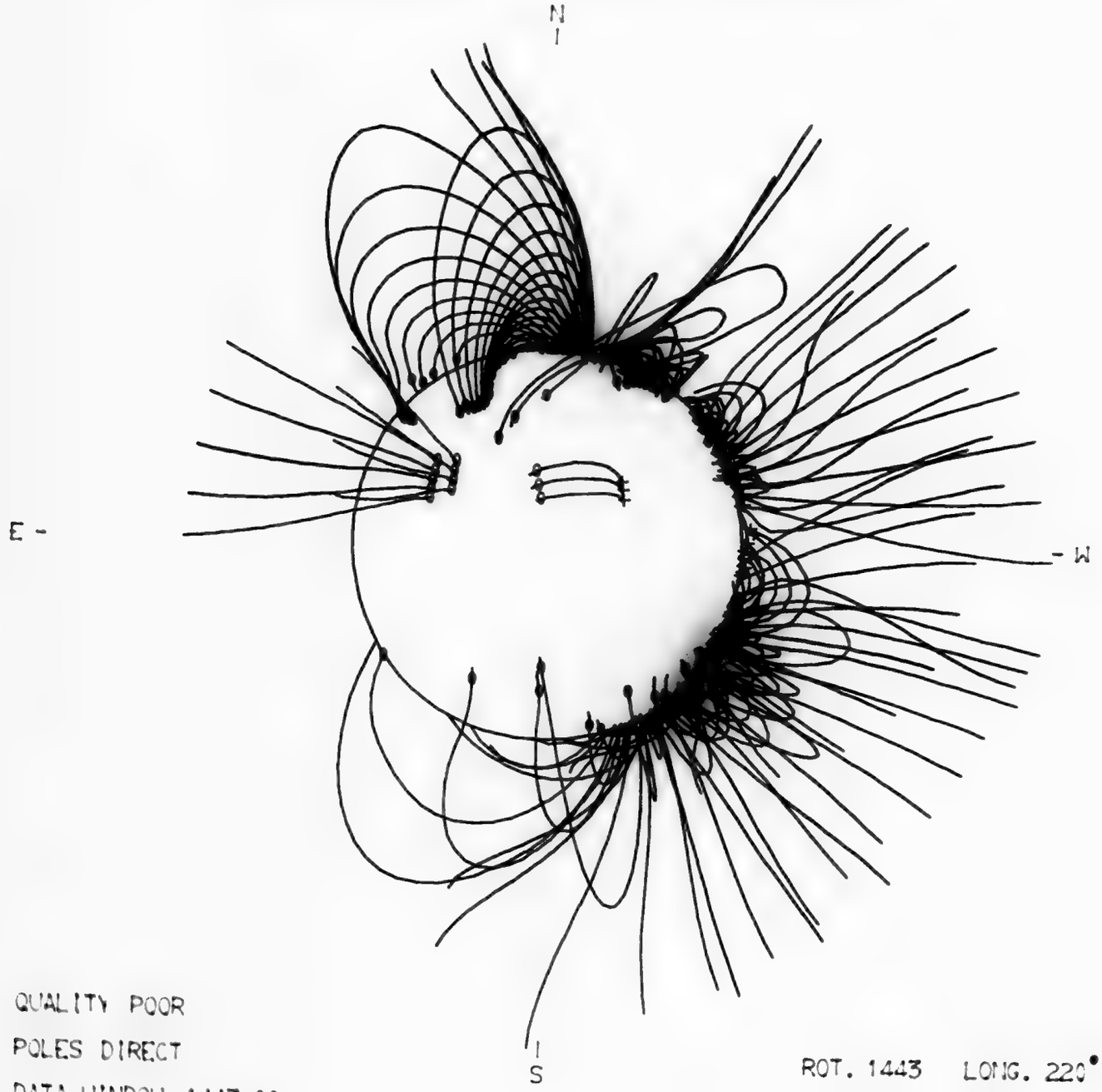
POLES DIRECT

DATA WINDOW 1443.00

ROT. 1443 LONG. 220°

28.4 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.1.13.00

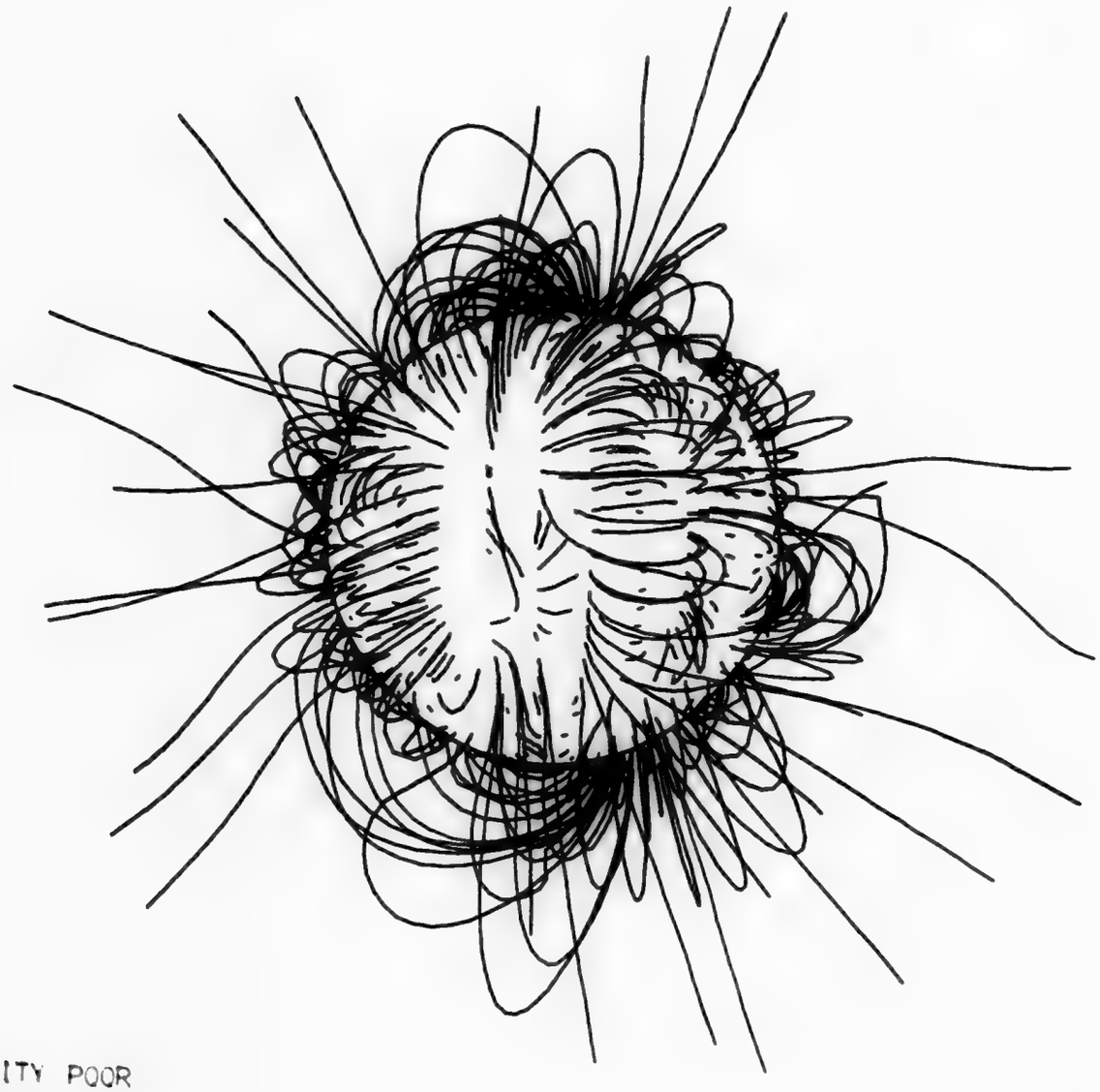
ROT. 1443 LONG. 220°

28.4 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

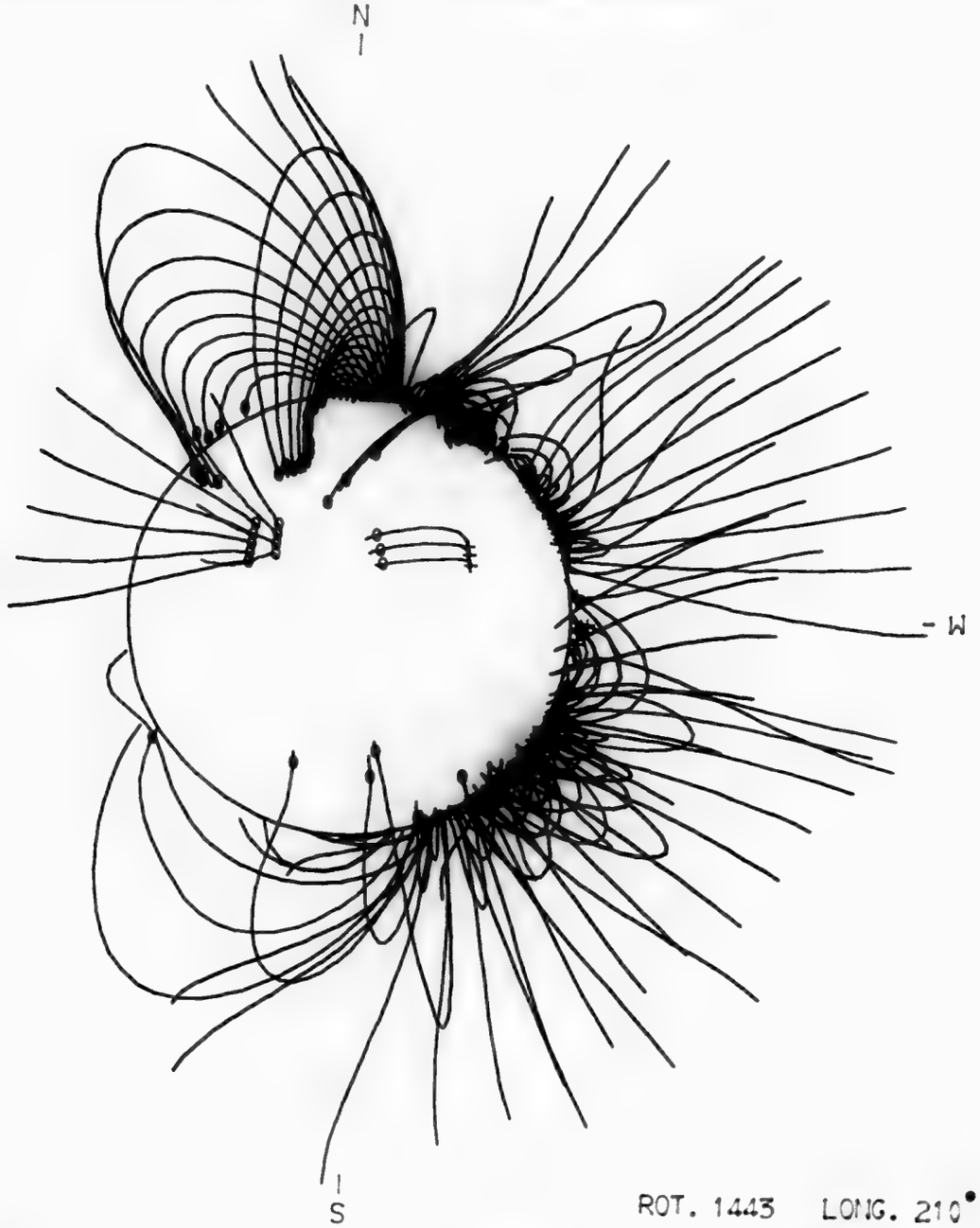
POLES DIRECT

DATA WINDOW 1.1.13.00

ROT. 1443 LONG. 210°

29.1 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1443.00

ROT. 1443 LONG. 210°

29.1 JUL 1961

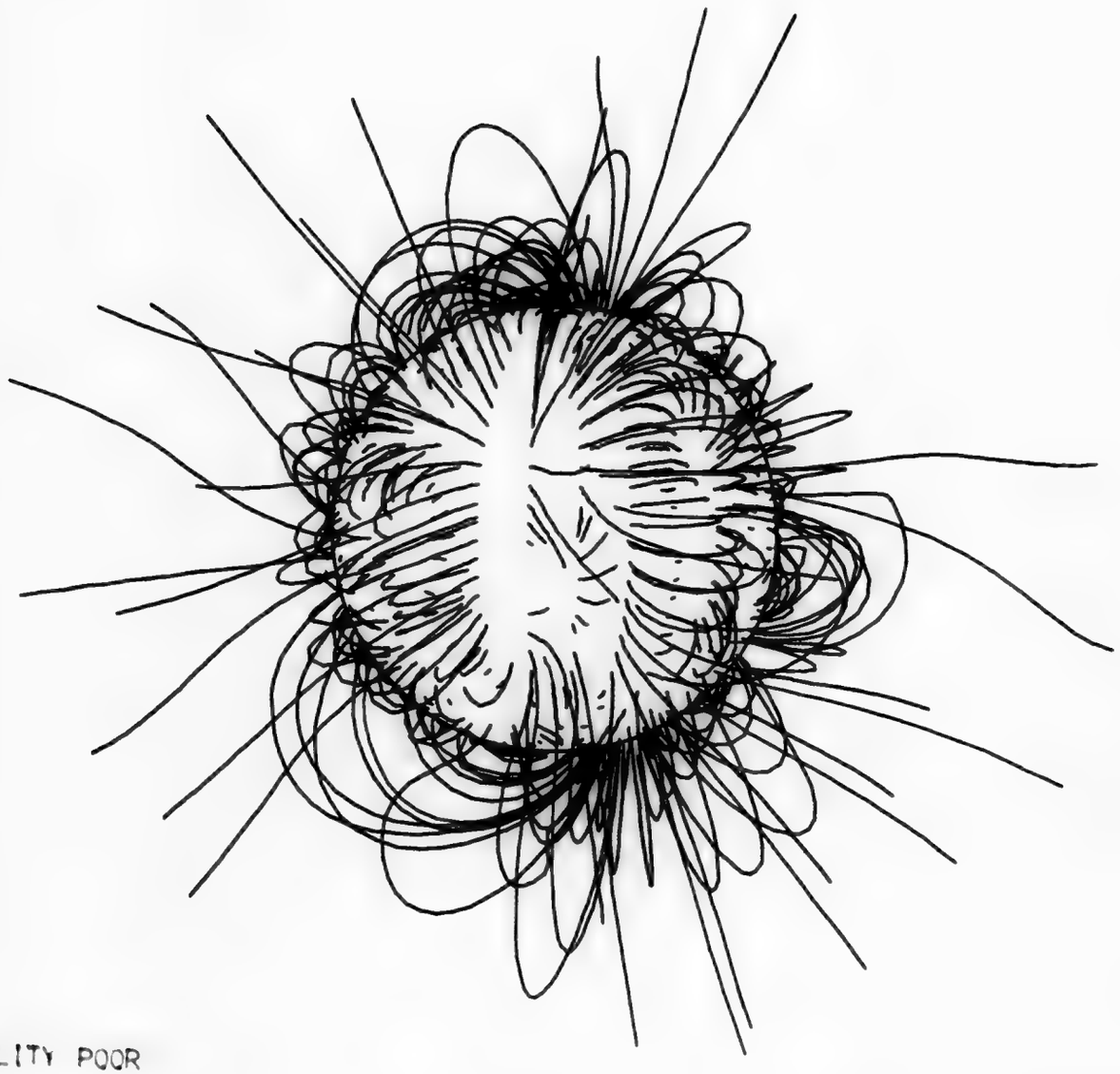
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

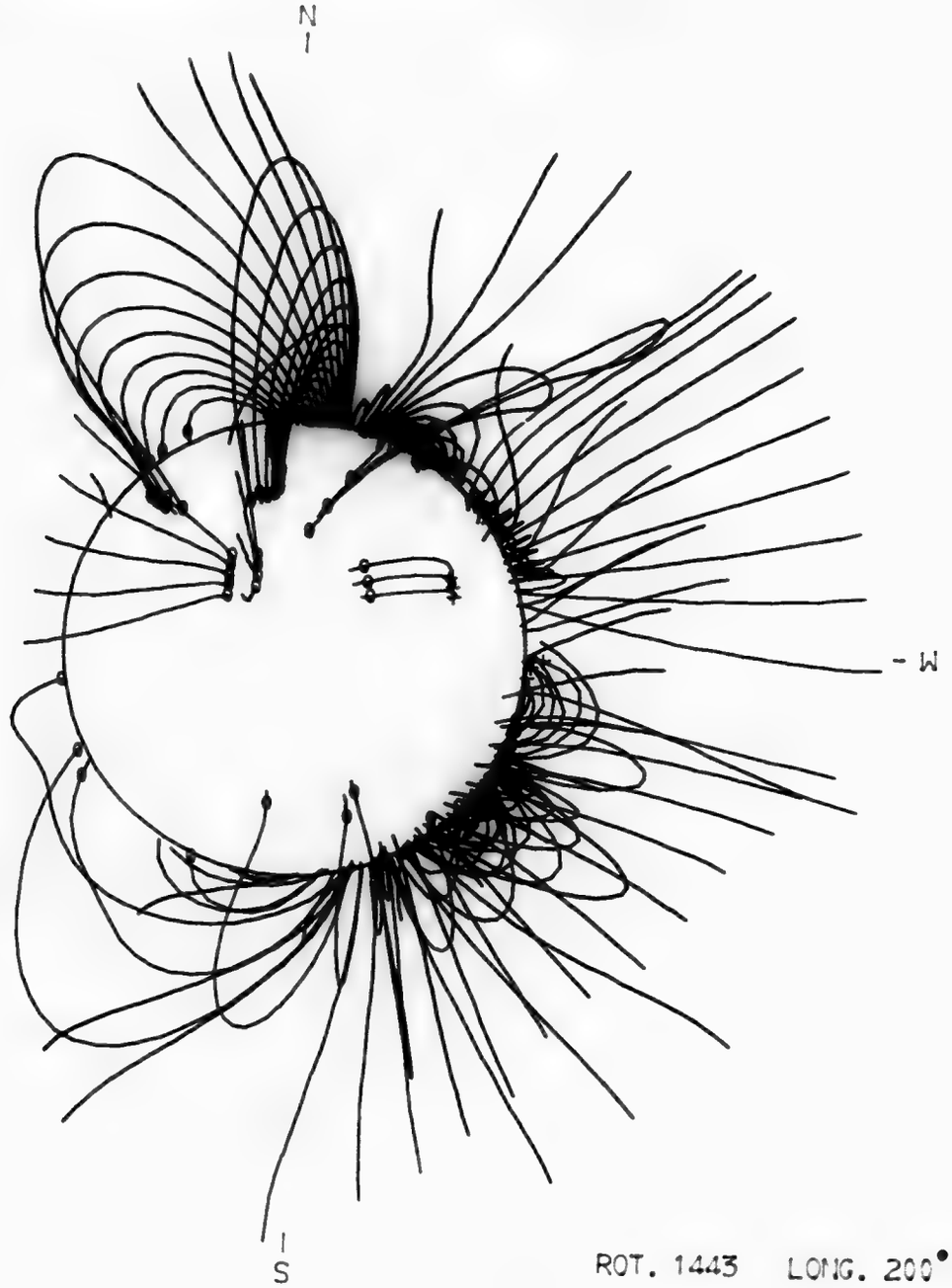
POLES DIRECT

DATA WINDOW 1.113.00

ROT. 1443 LONG. 200°

29.9 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.1.3.00

ROT. 1443 LONG. 200°

29.9 JUL 1961

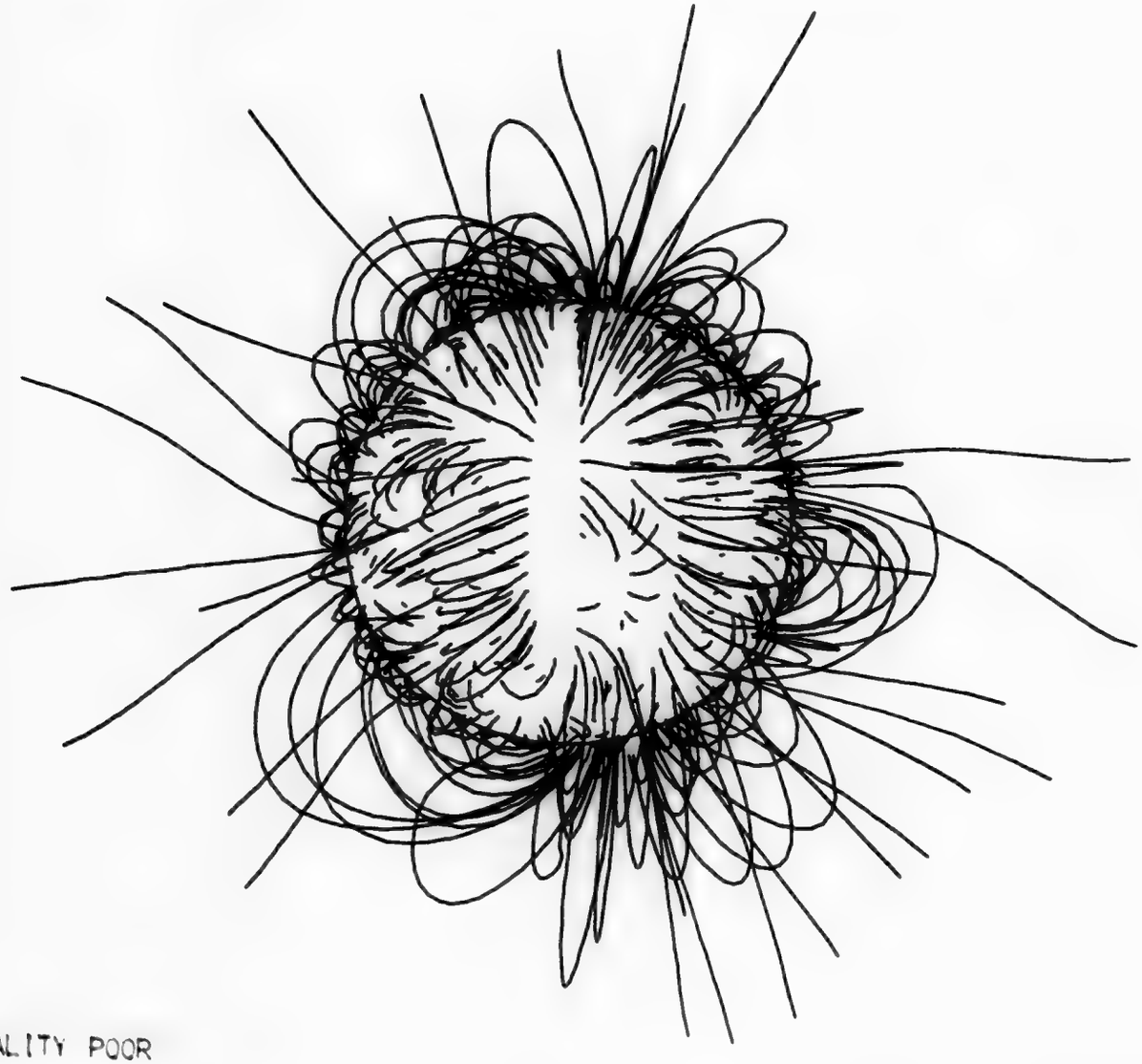
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

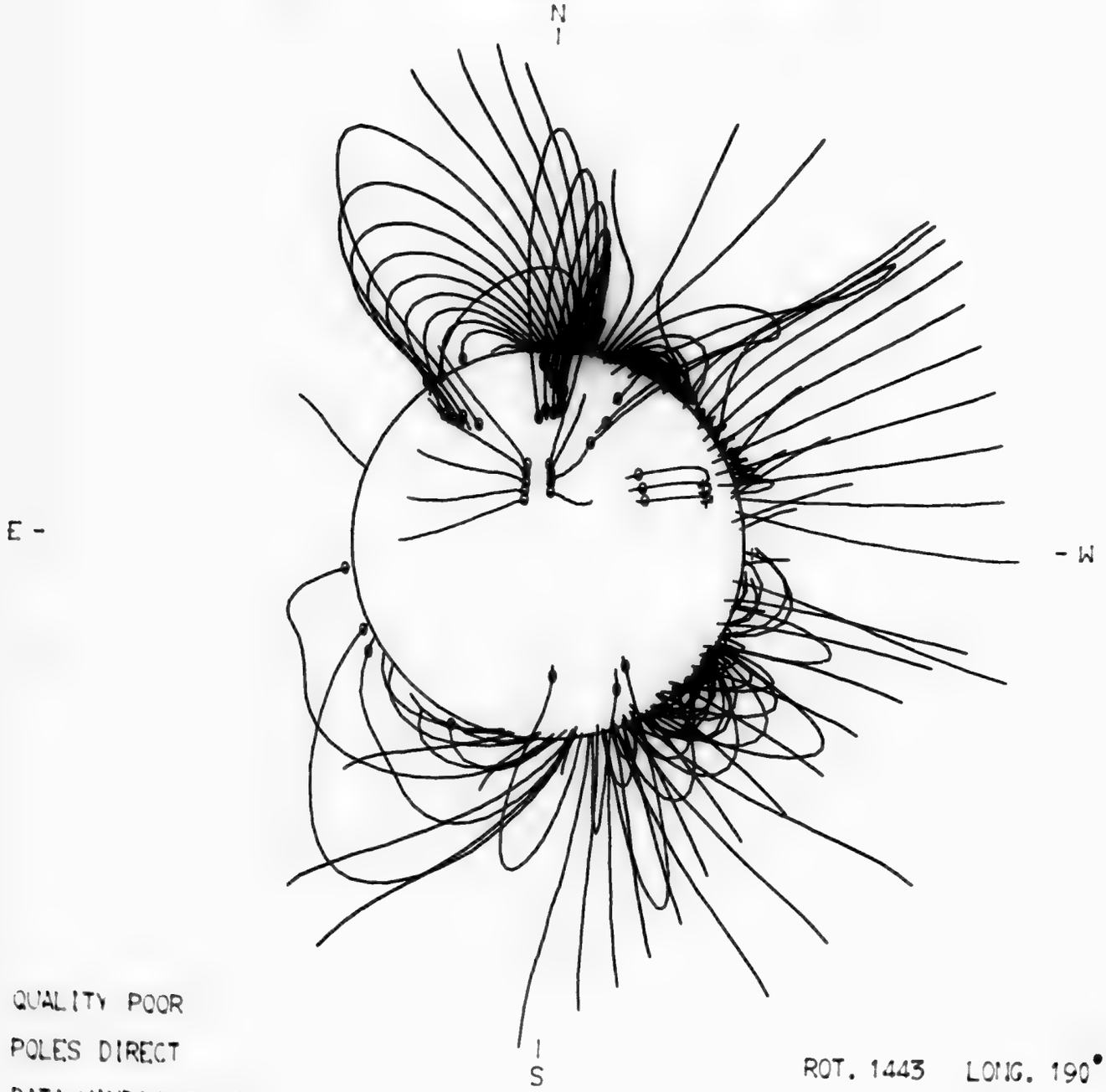
POLES DIRECT

DATA WINDOW 1.13.00

ROT. 1443 LONG. 190°

30.6 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1443.00

ROT. 1443 LONG. 190°

30.6 JUL 1961

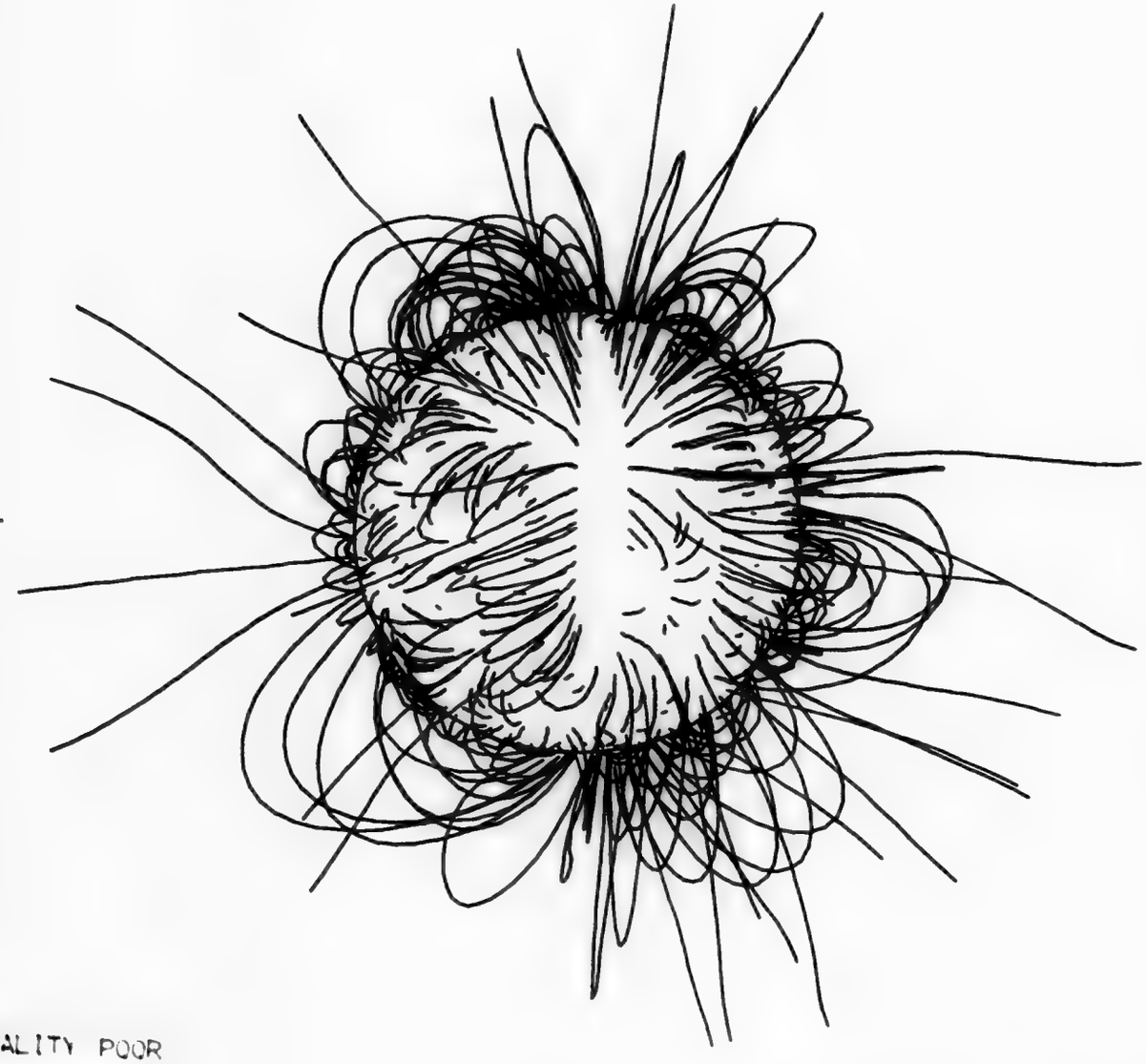
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

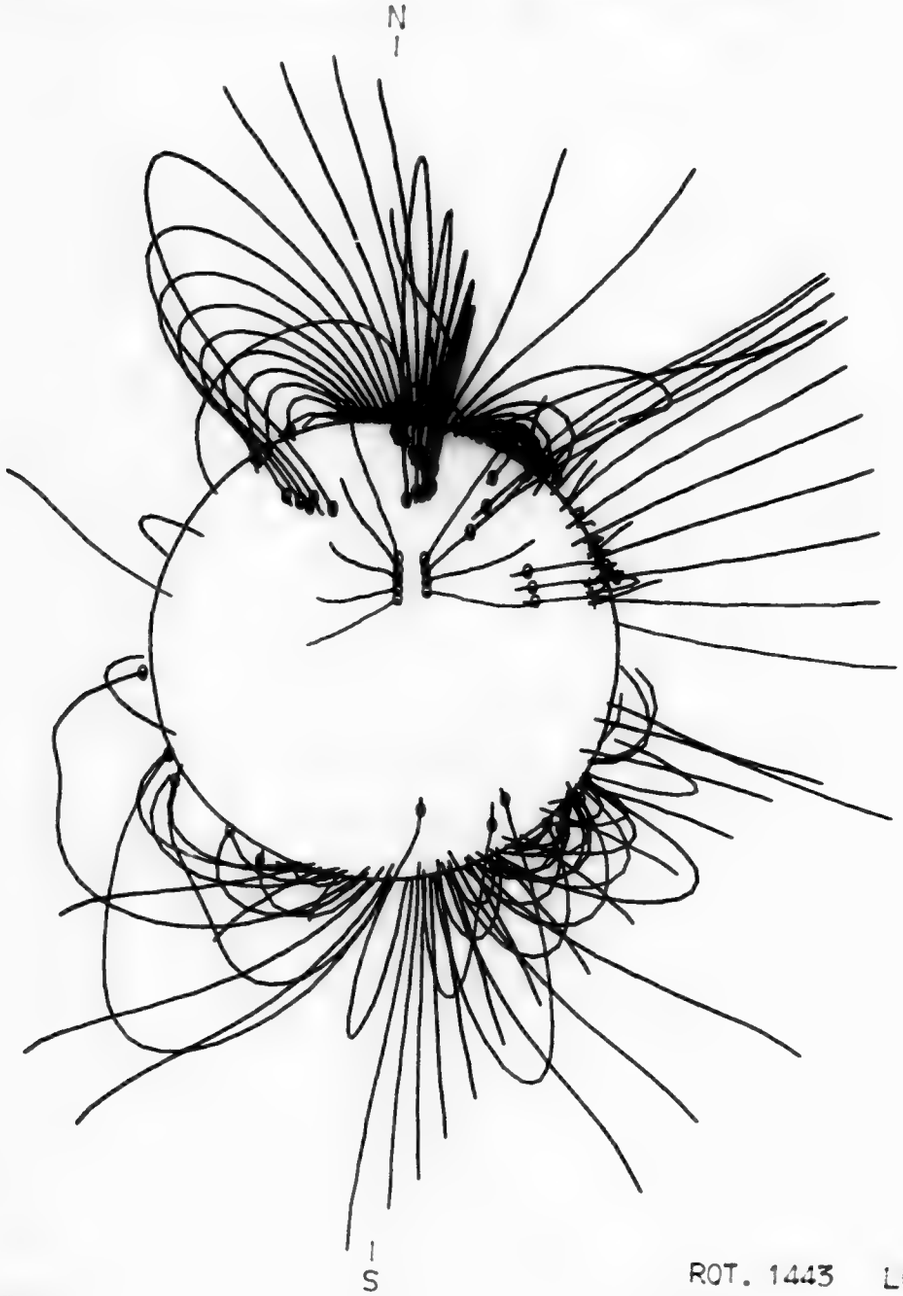
POLES DIRECT

DATA WINDOW 1.113.00

ROT. 1443 LONG. 180°

31.4 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1443.00

ROT. 1443 LONG. 180°

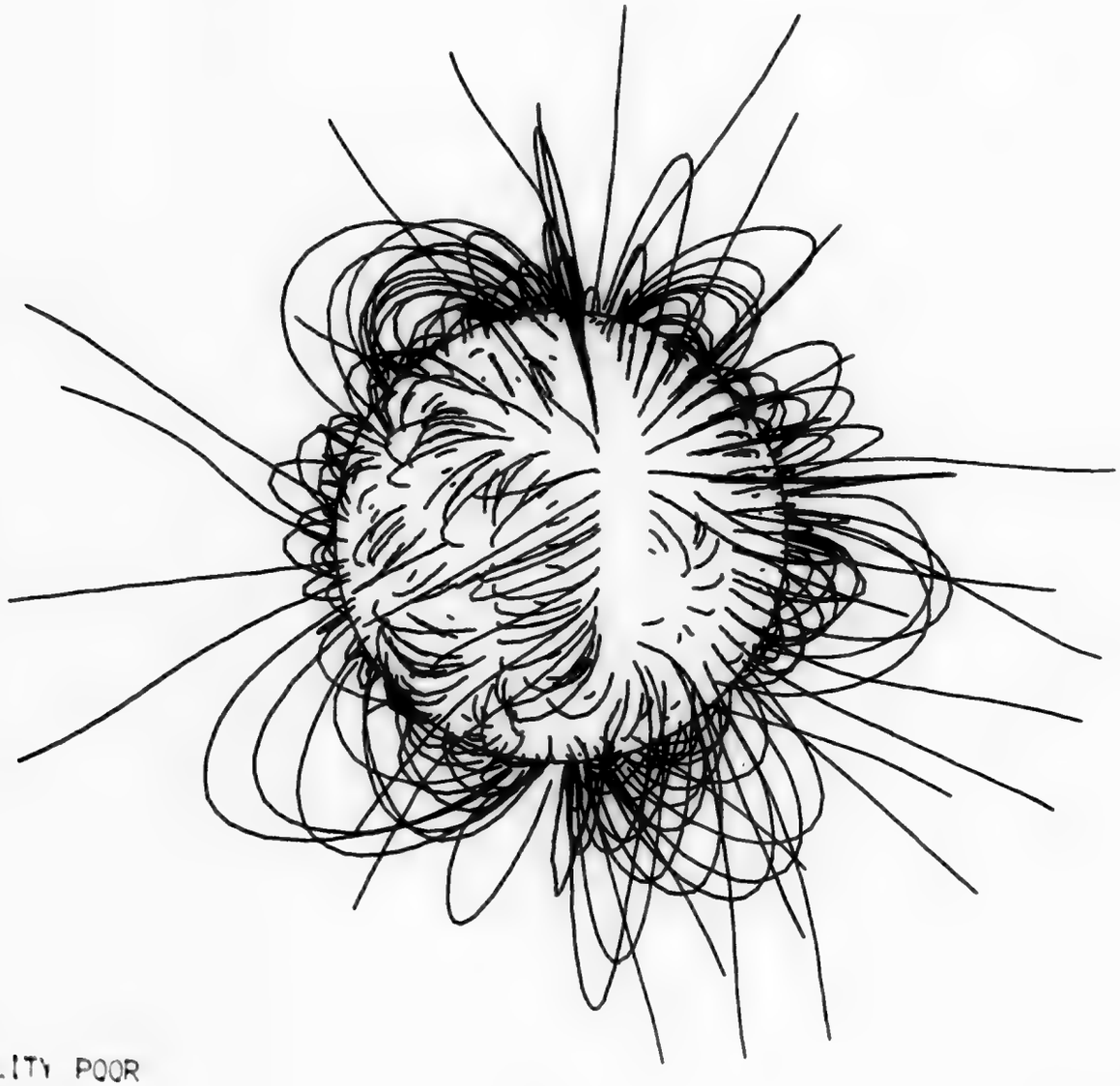
31.4 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

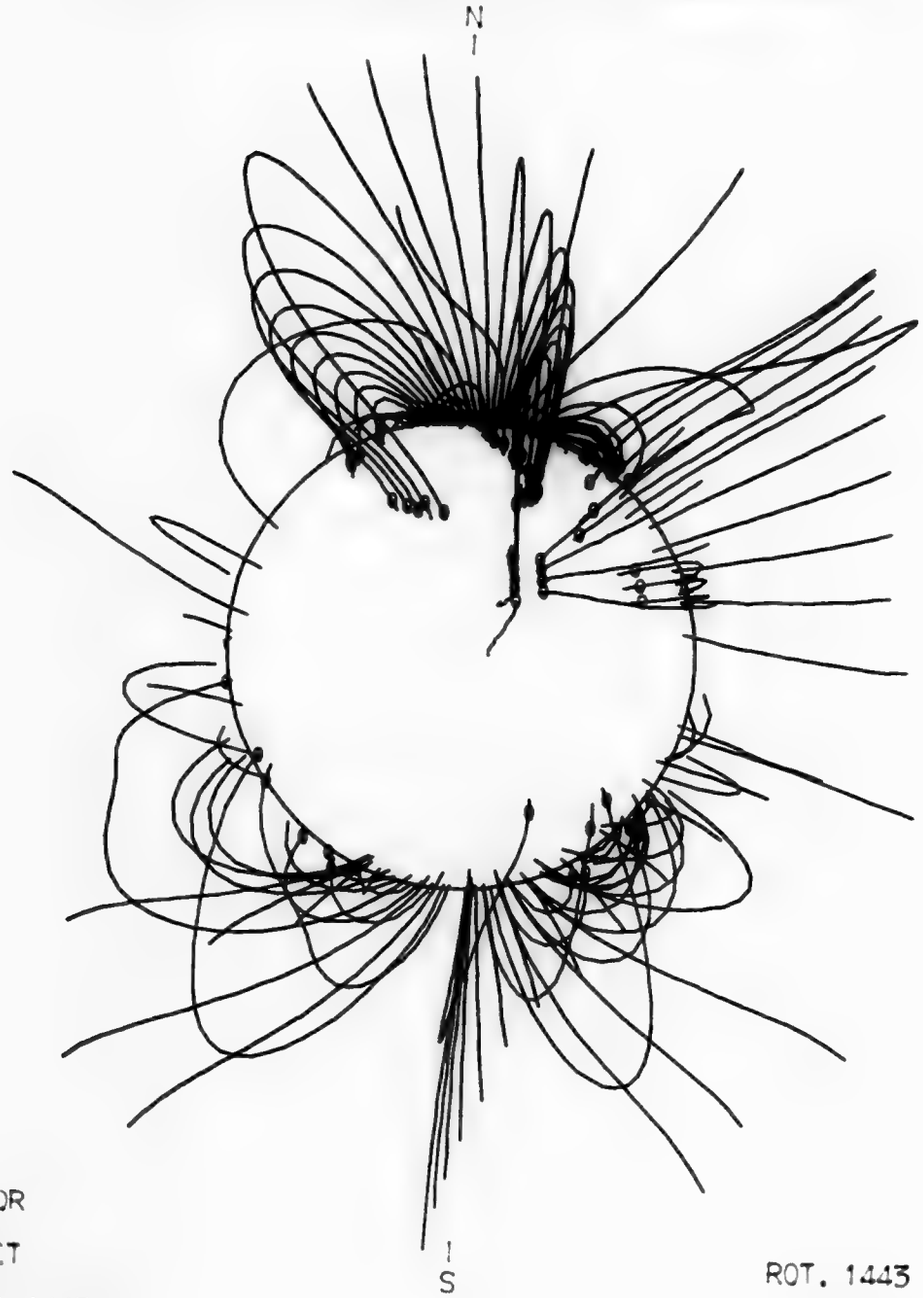
POLES DIRECT

DATA WINDOW 1443.00

ROT. 1443 LONG. 170°

1.2 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

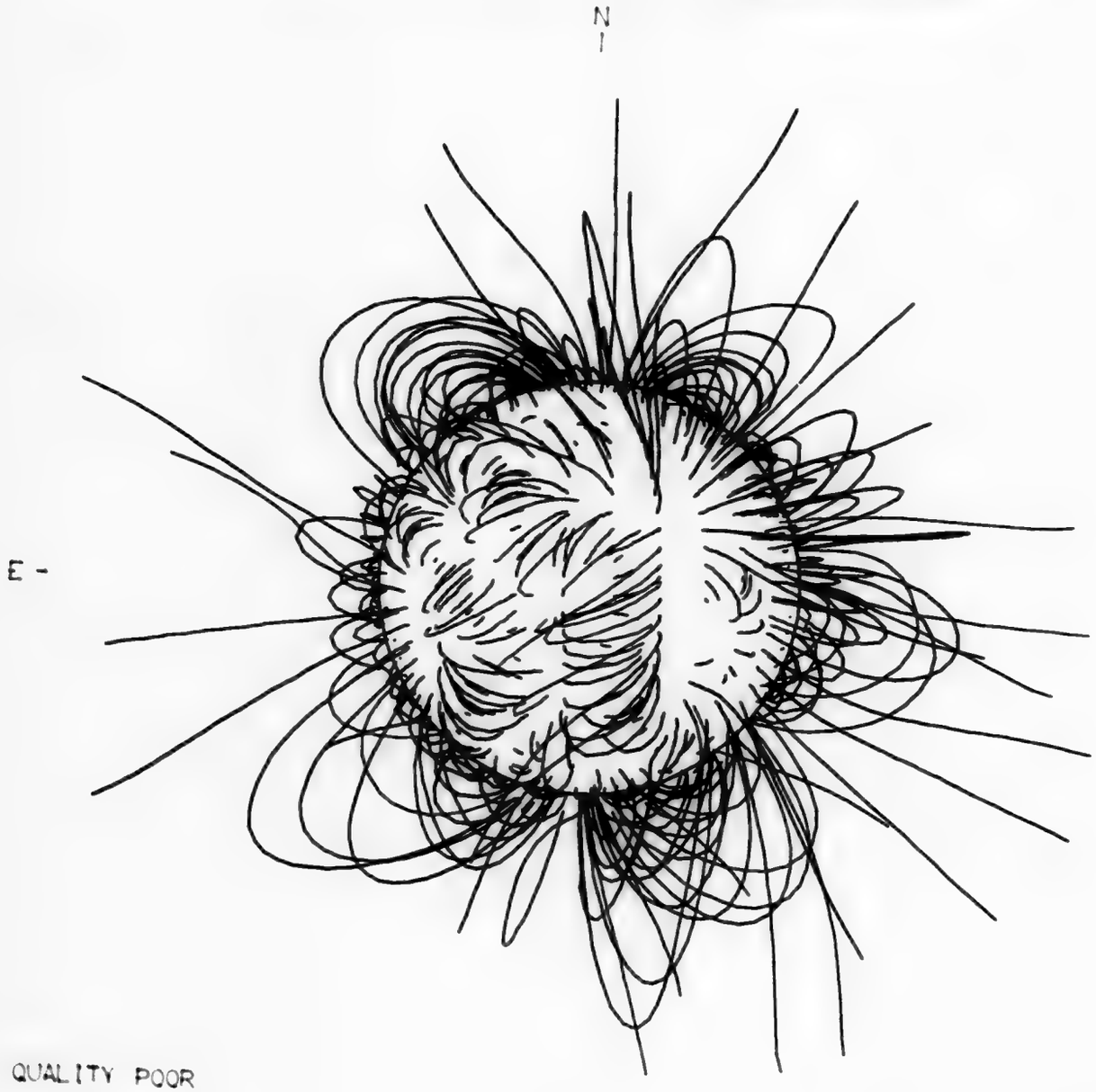
POLES DIRECT

DATA WINDOW 1.1.3.00

ROT. 1443 LONG. 170°

1.2 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

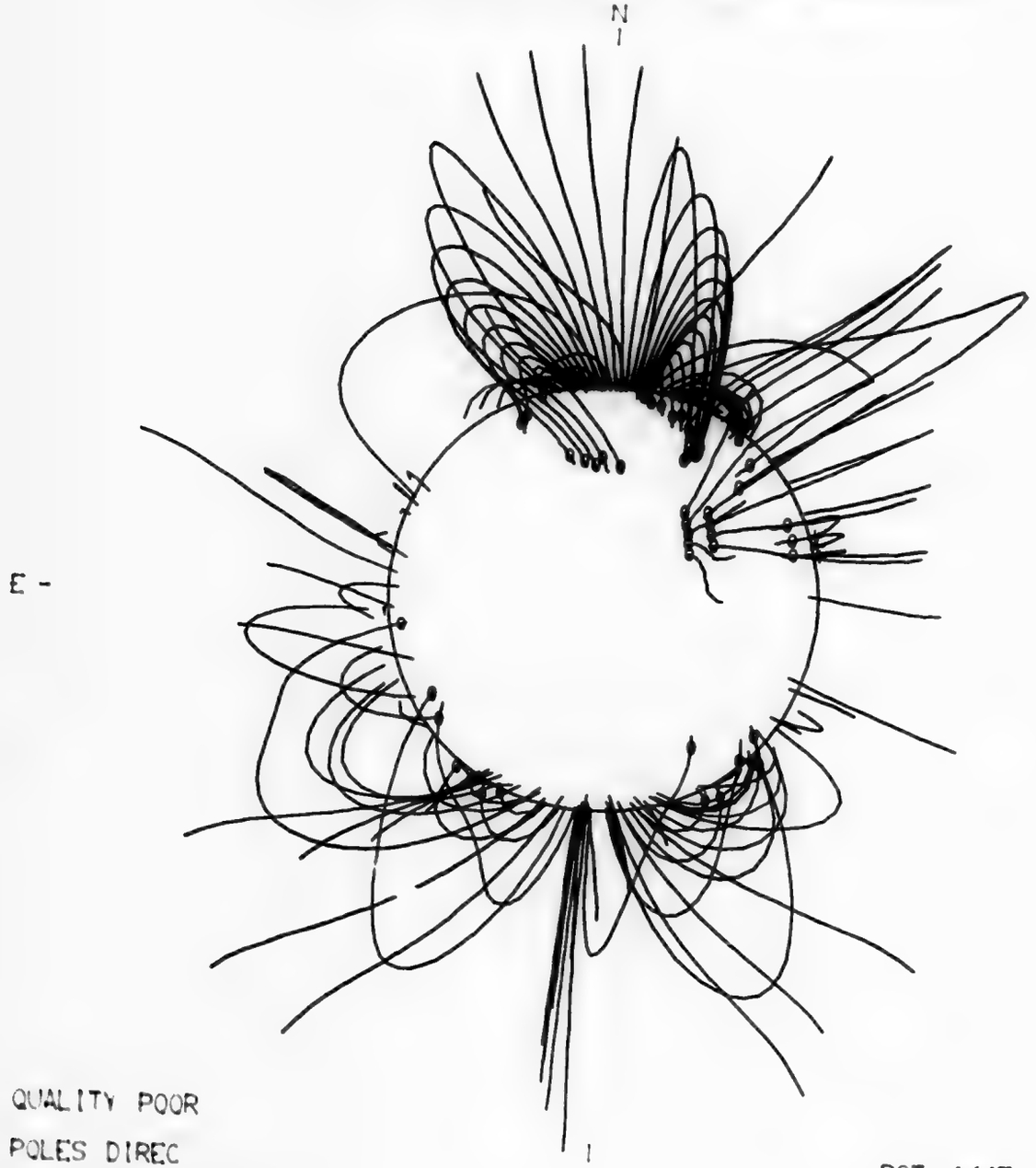
POLES DIRECT

DATA WINDOW 1443.00

ROT. 1443 LONG. 160°

19 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIREC

DATA WINDOW 1443.00

ROT. 1443 LONG. 160°

1.9 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

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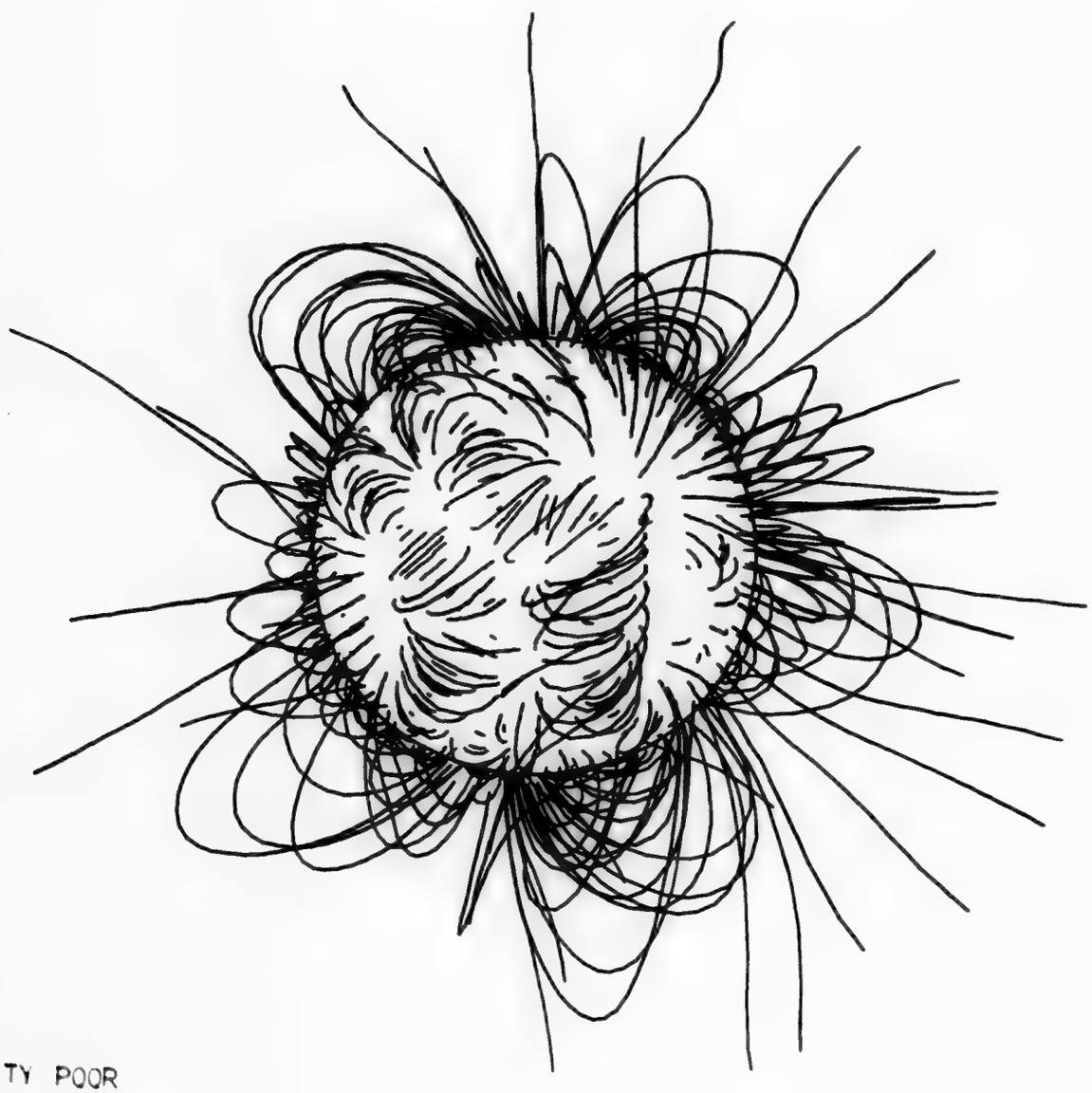
S



QUALITY POOR

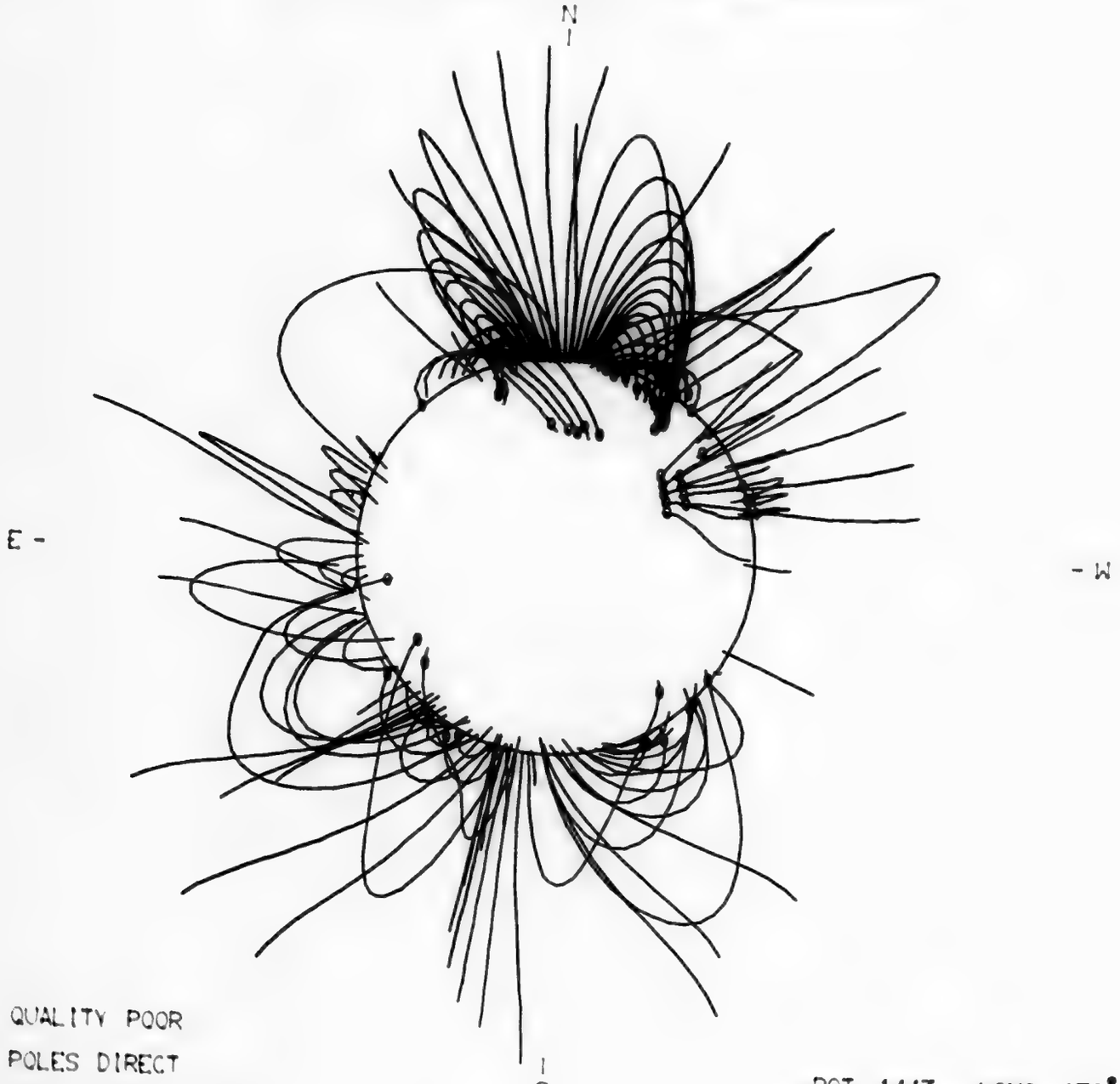
POLES DIRECT

DATA WINDOW 1.13.00

ROT. 1443 LONG. 150°

2.7 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1443.00

ROT. 1443 LONG. 150°

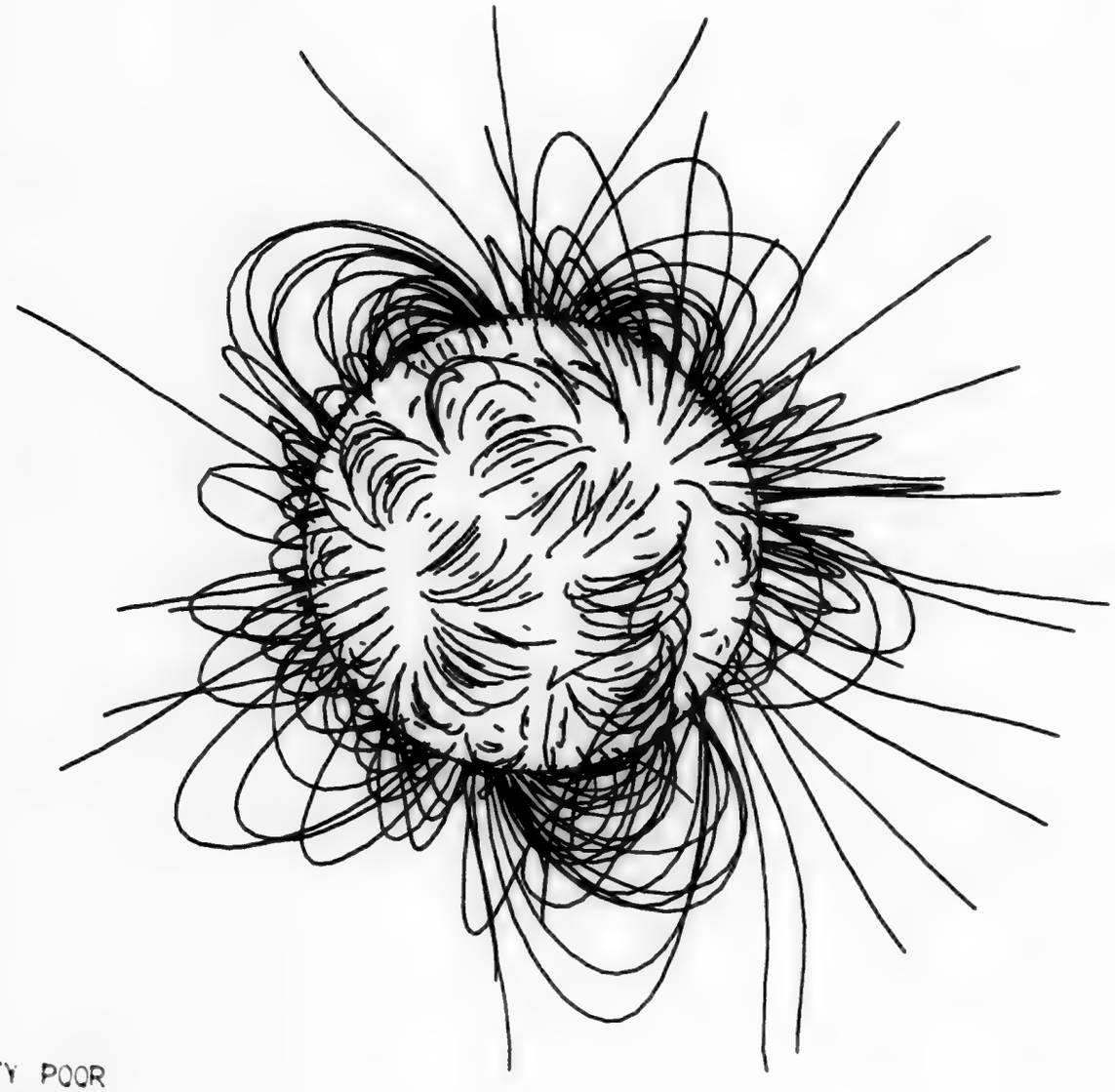
27 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

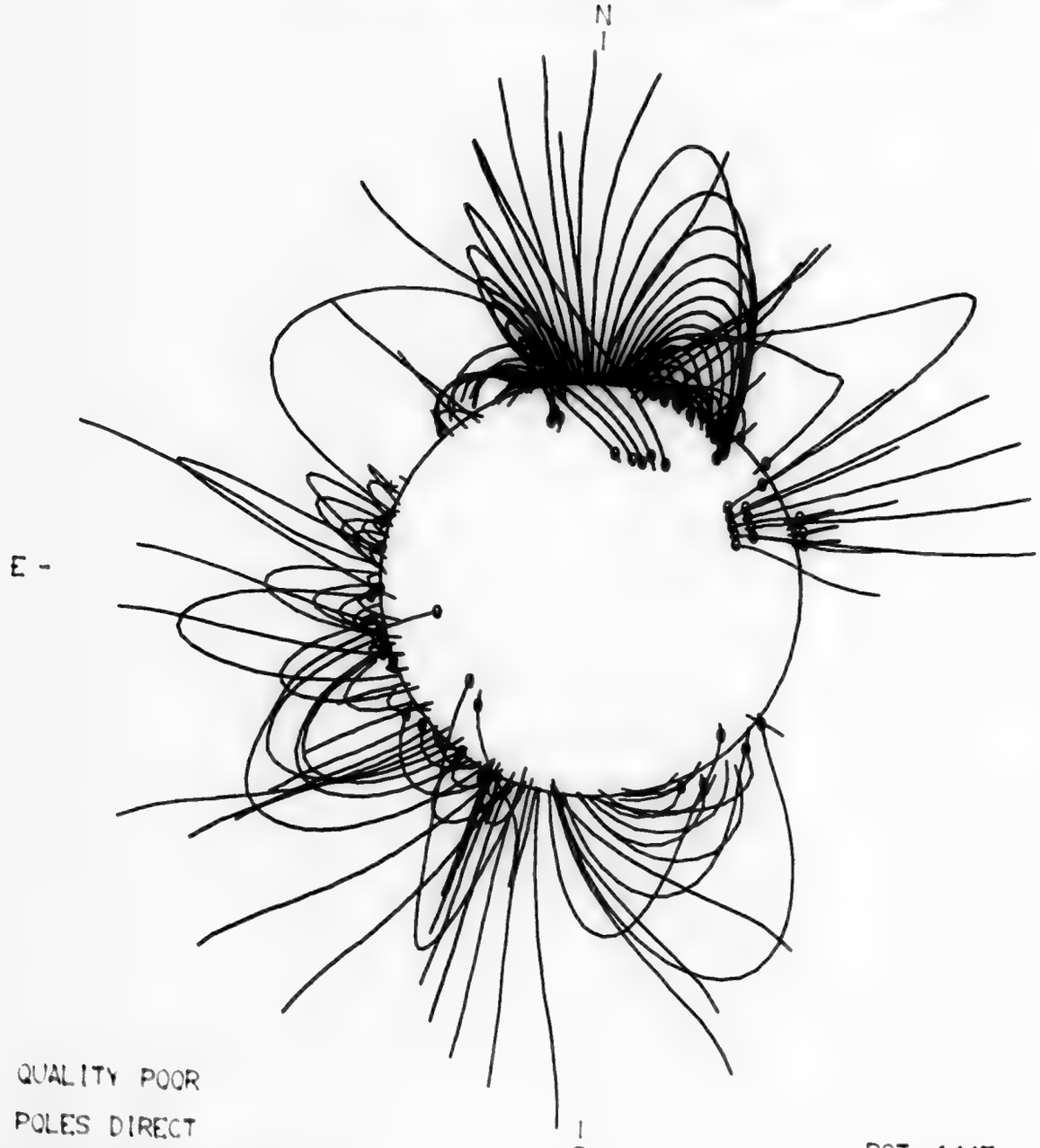
POLES DIRECT

DATA WINDOW 1.1.3.00

ROT. 1443 LONG. 140°

3.4 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.1.13.00

ROT. 1443 LONG. 140°

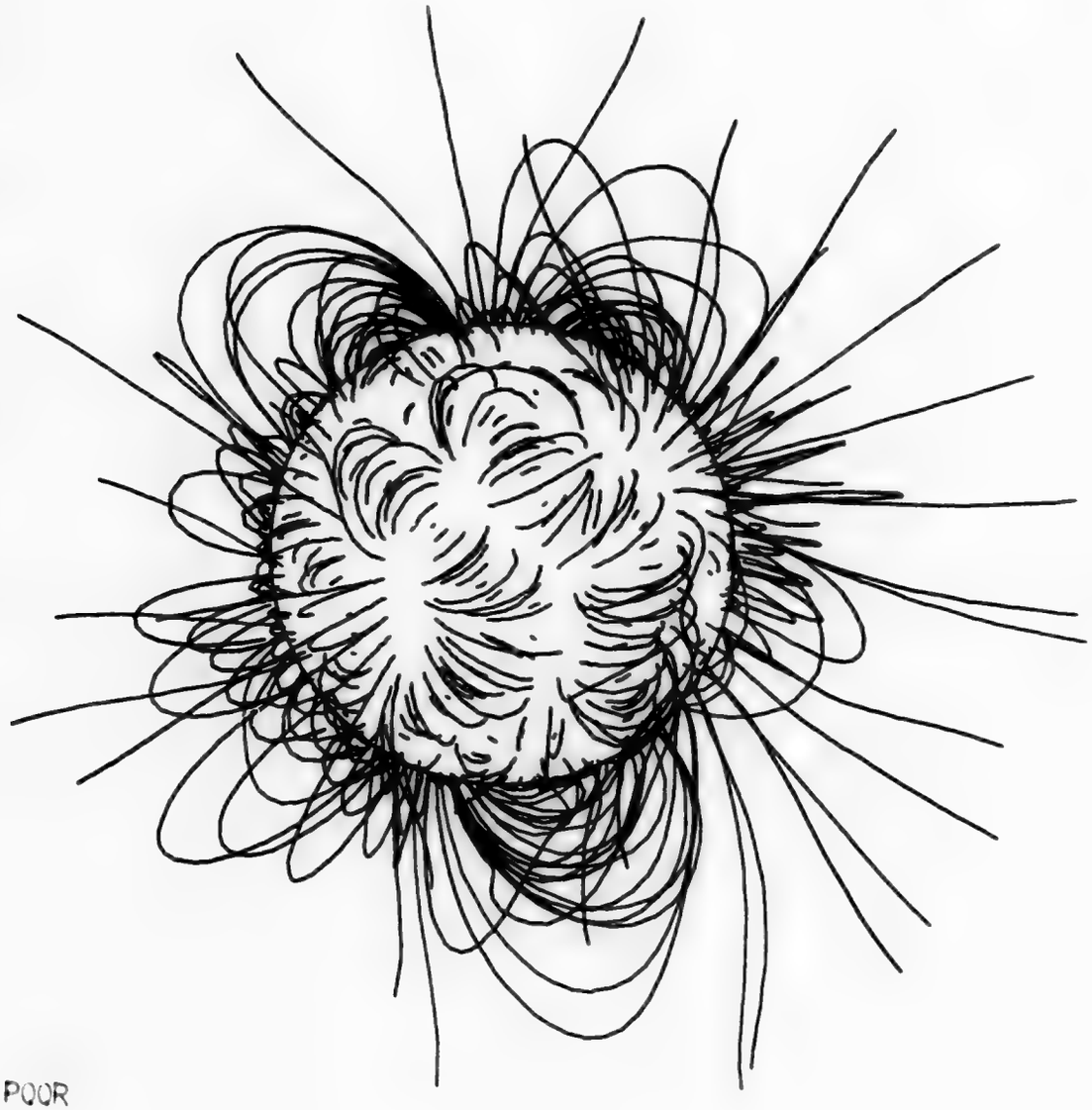
3.4 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

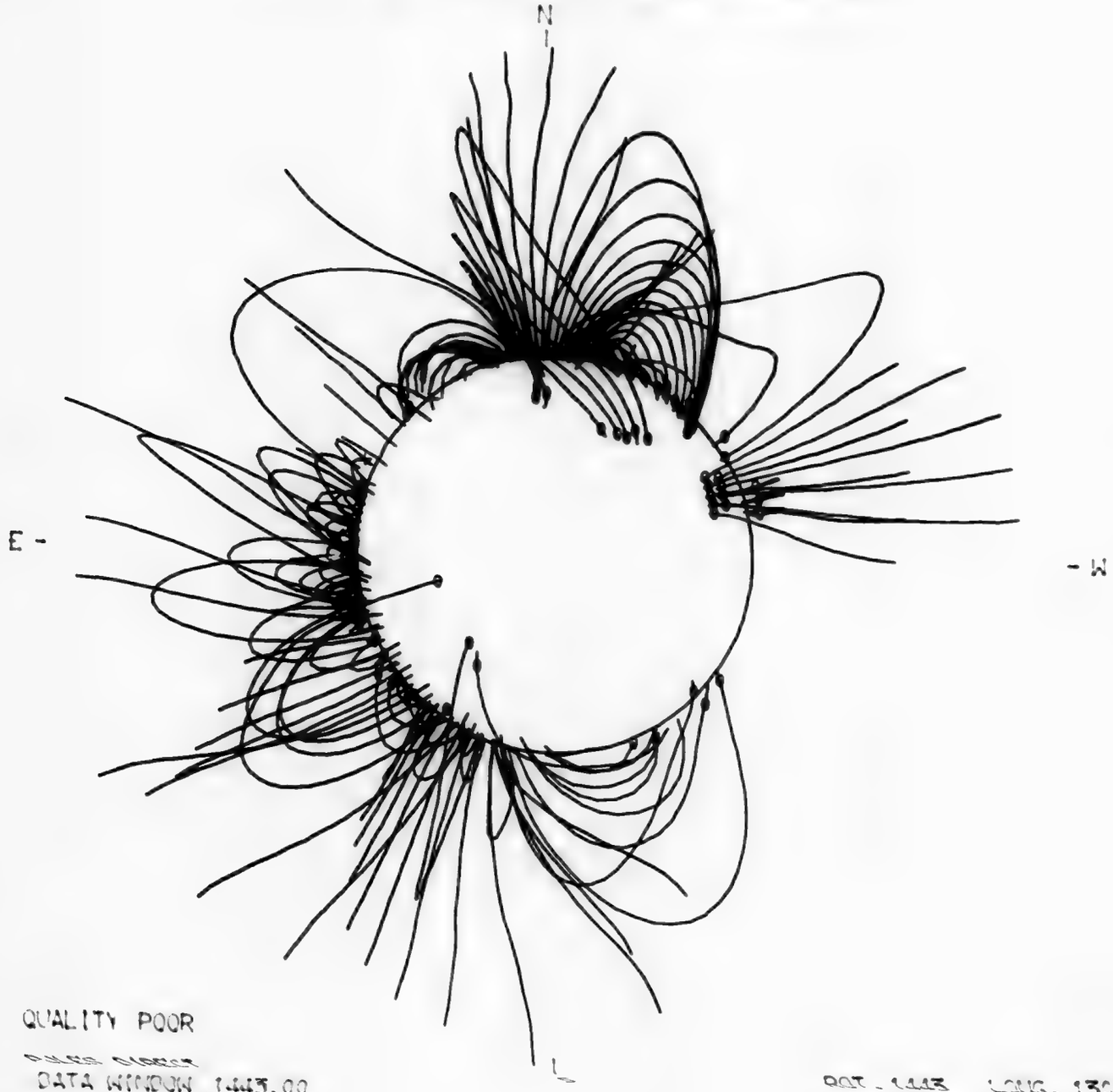
POLES DIRECT

DATA WINDOW 1443.00

ROT. 1443 LONG. 130°

4.2 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

DATA WINDOW 1.113.00

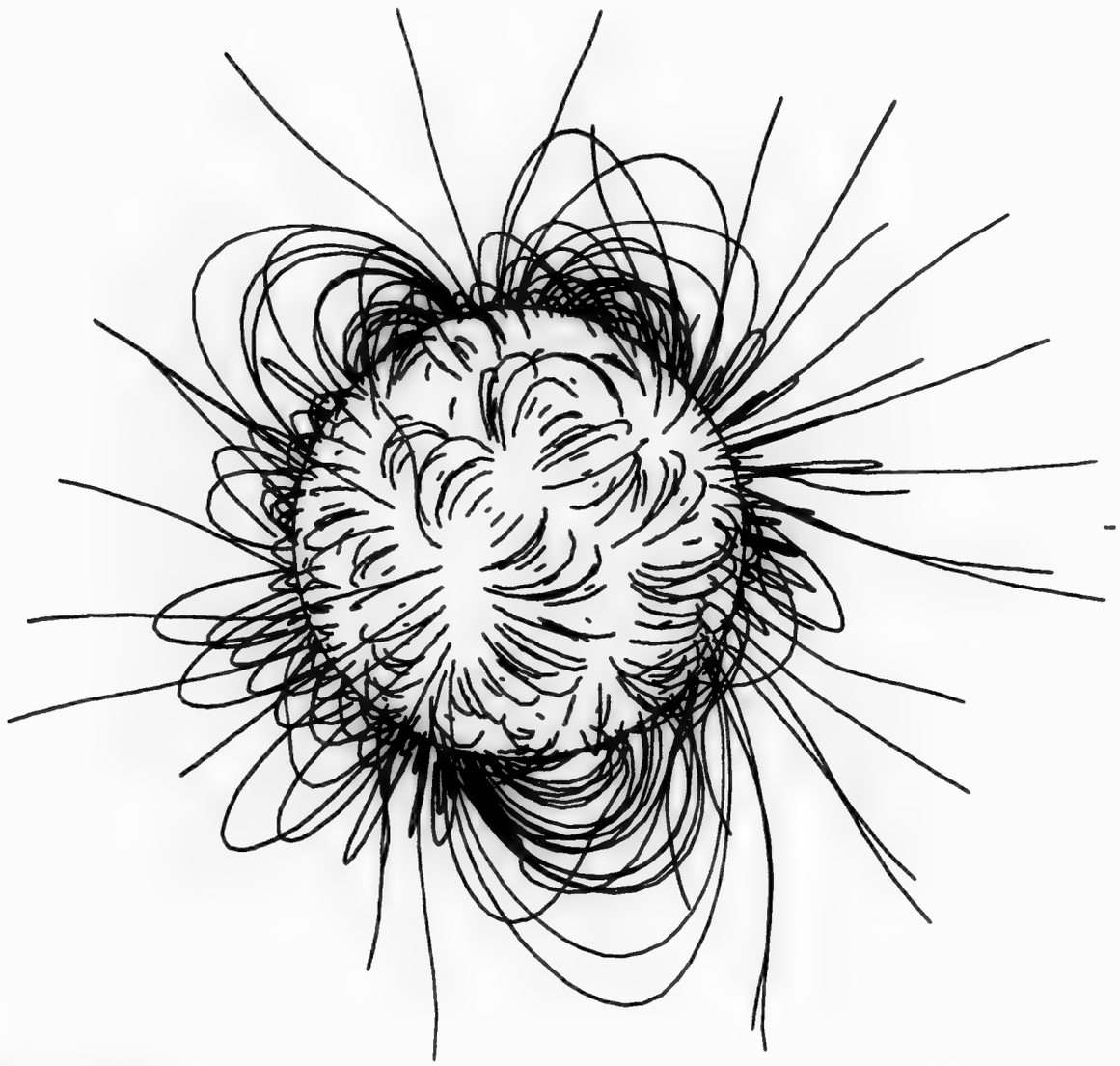
ROT - 1113 LONG - 130°
4.2 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

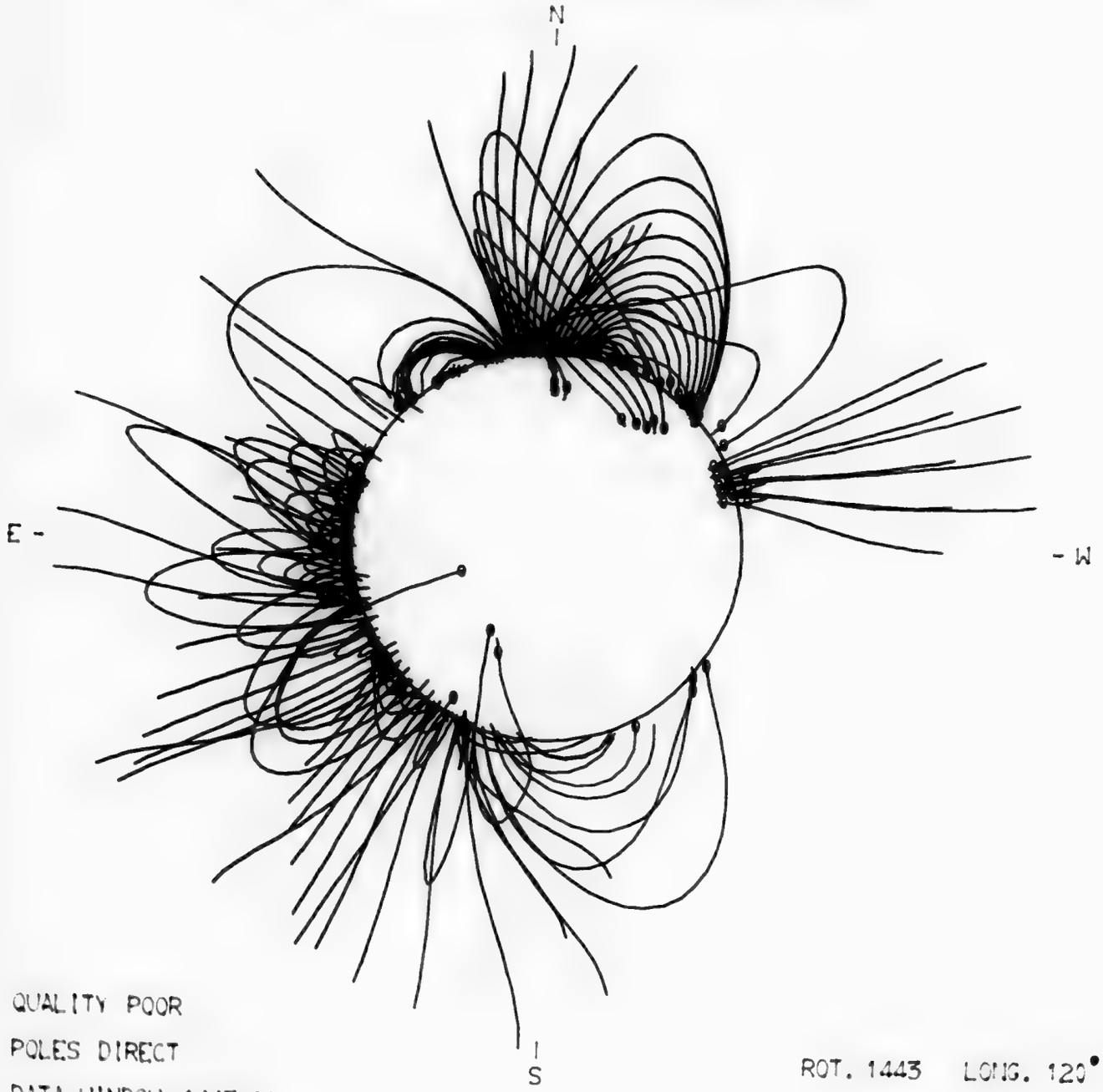
POLES DIRECT

DATA WINDOW 1443.00

ROT. 1443 LONG. 120°

4.9 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1443.00

ROT. 1443 LONG. 120°

4.9 AUG 1961

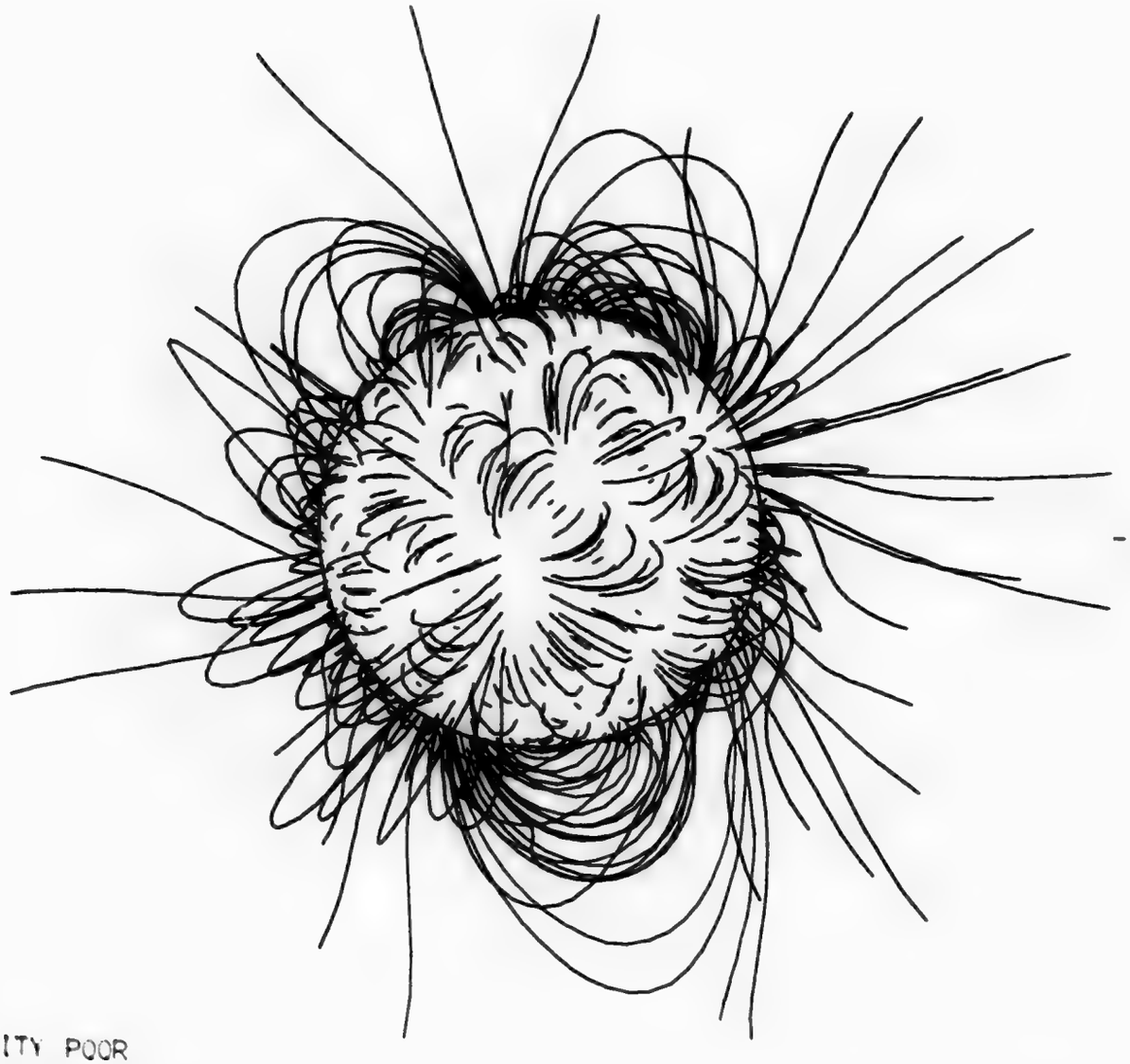
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

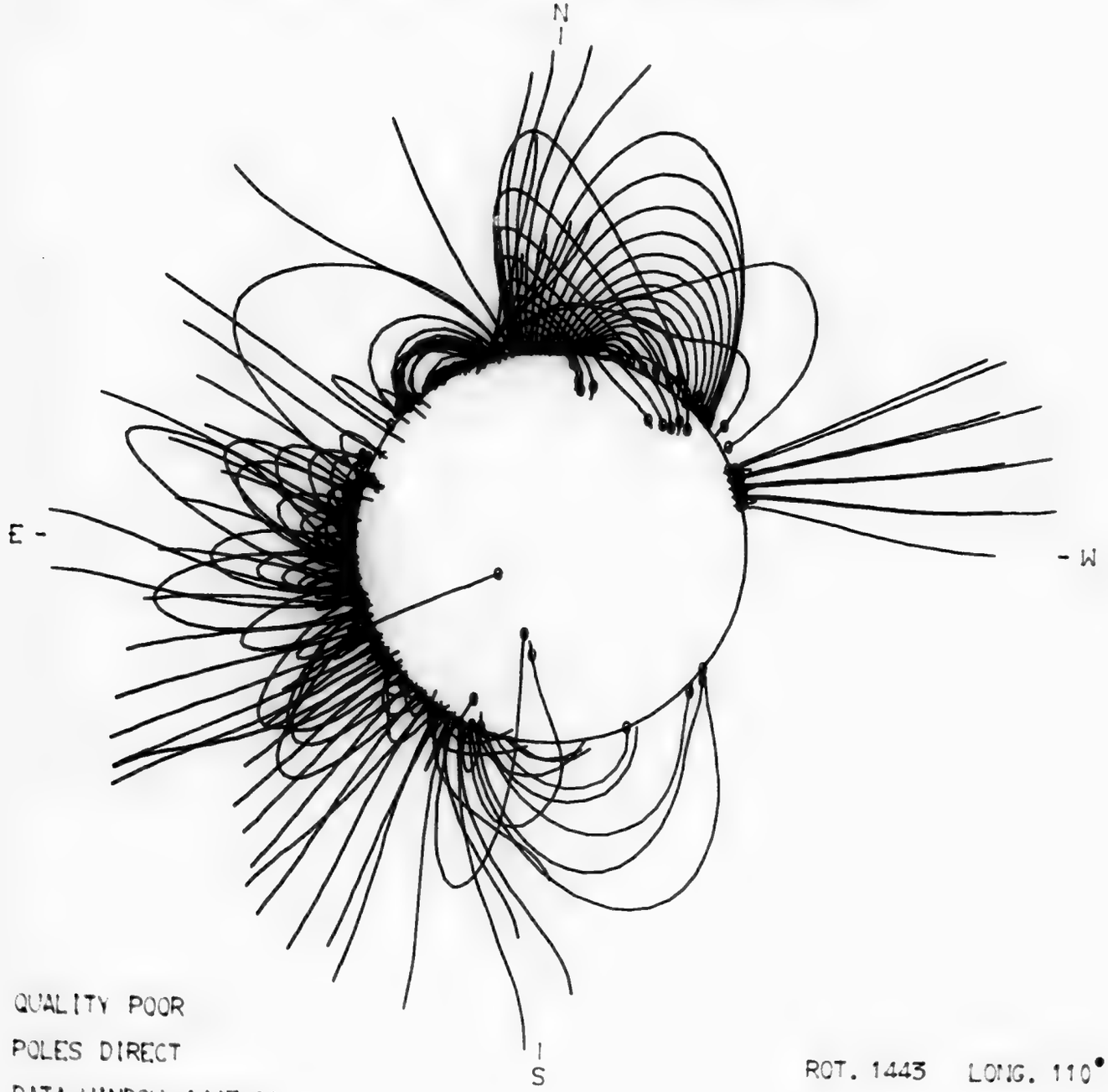
POLES DIRECT

DATA WINDOW 1443.00

ROT. 1443 LONG. 110°

5.7 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1443.00

ROT. 1443 LONG. 110°

5.7 AUG 1961

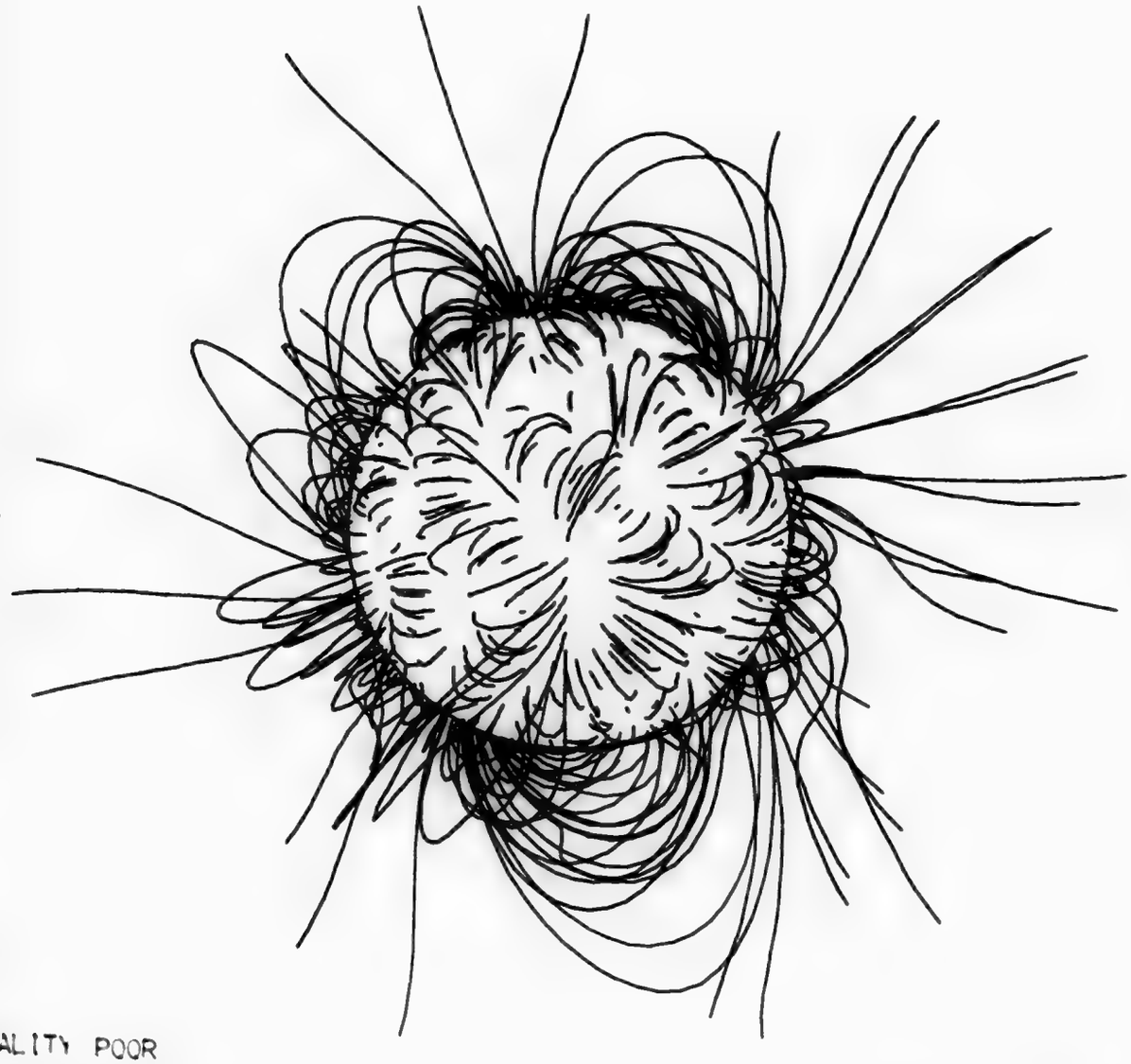
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

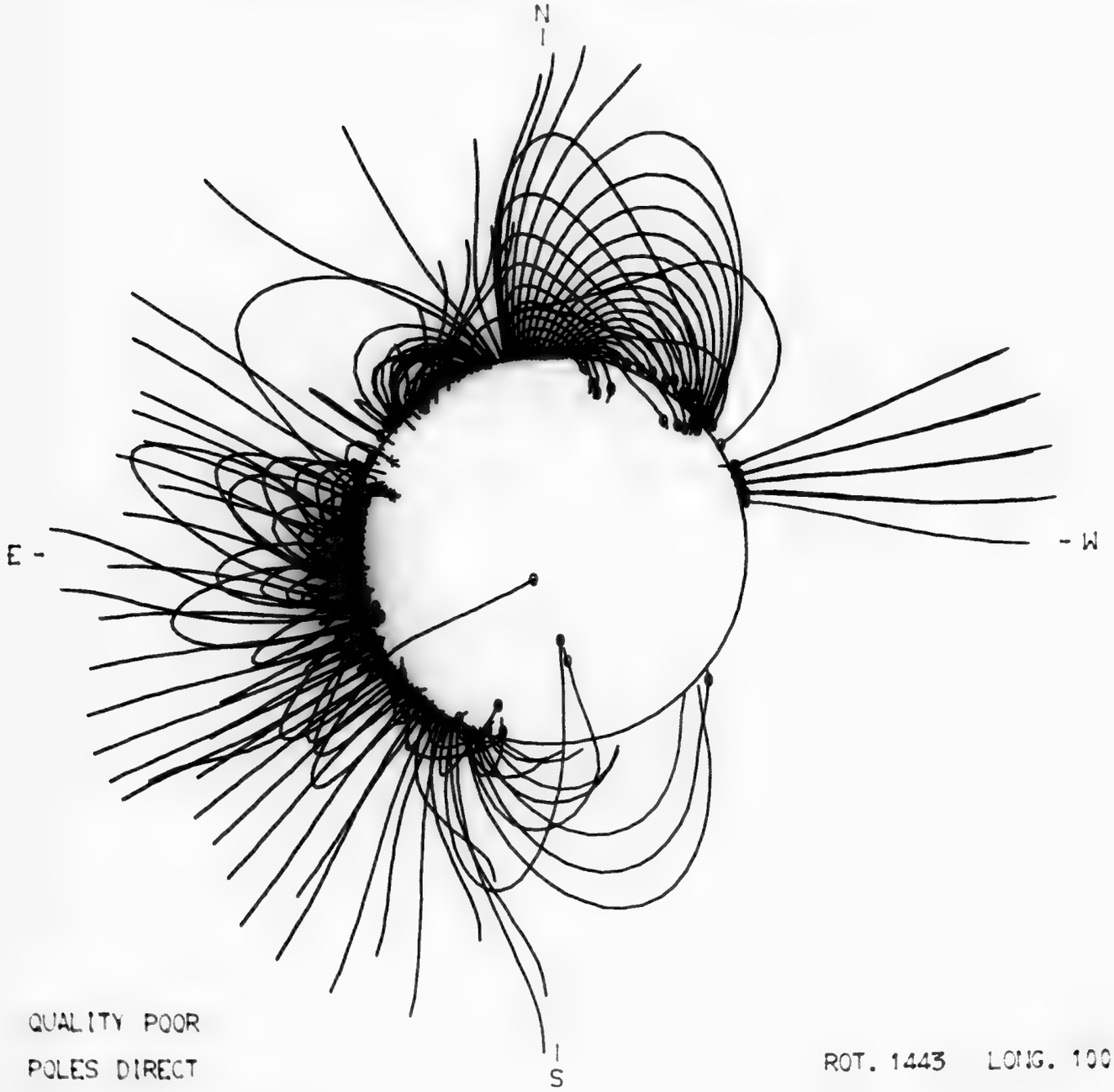
POLES DIRECT

DATA WINDOW 1.1.3.00

ROT. 1443 LONG. 100°

6.5 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

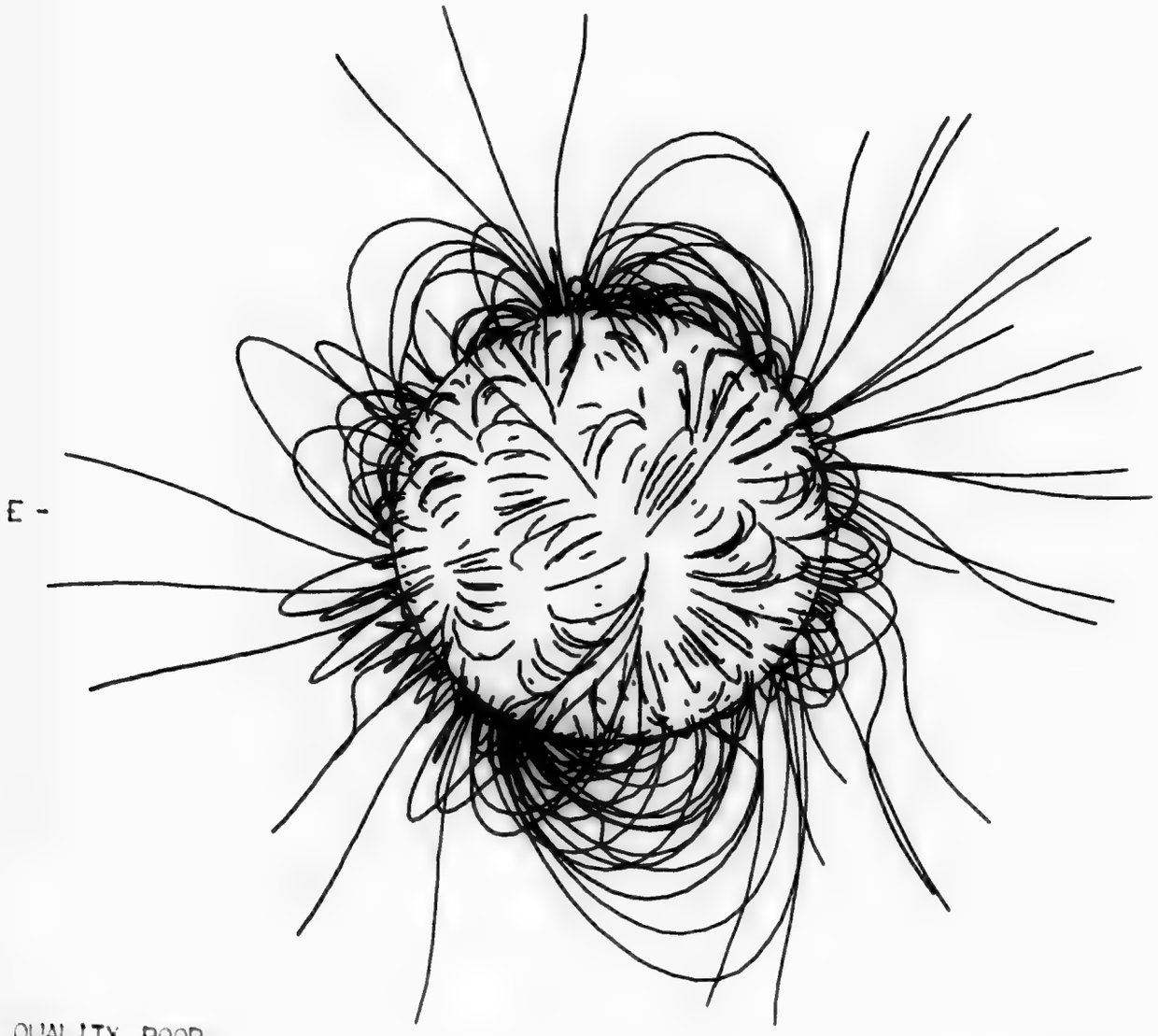
DATA WINDOW 1443.00

ROT. 1443 LONG. 100°

6.5 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

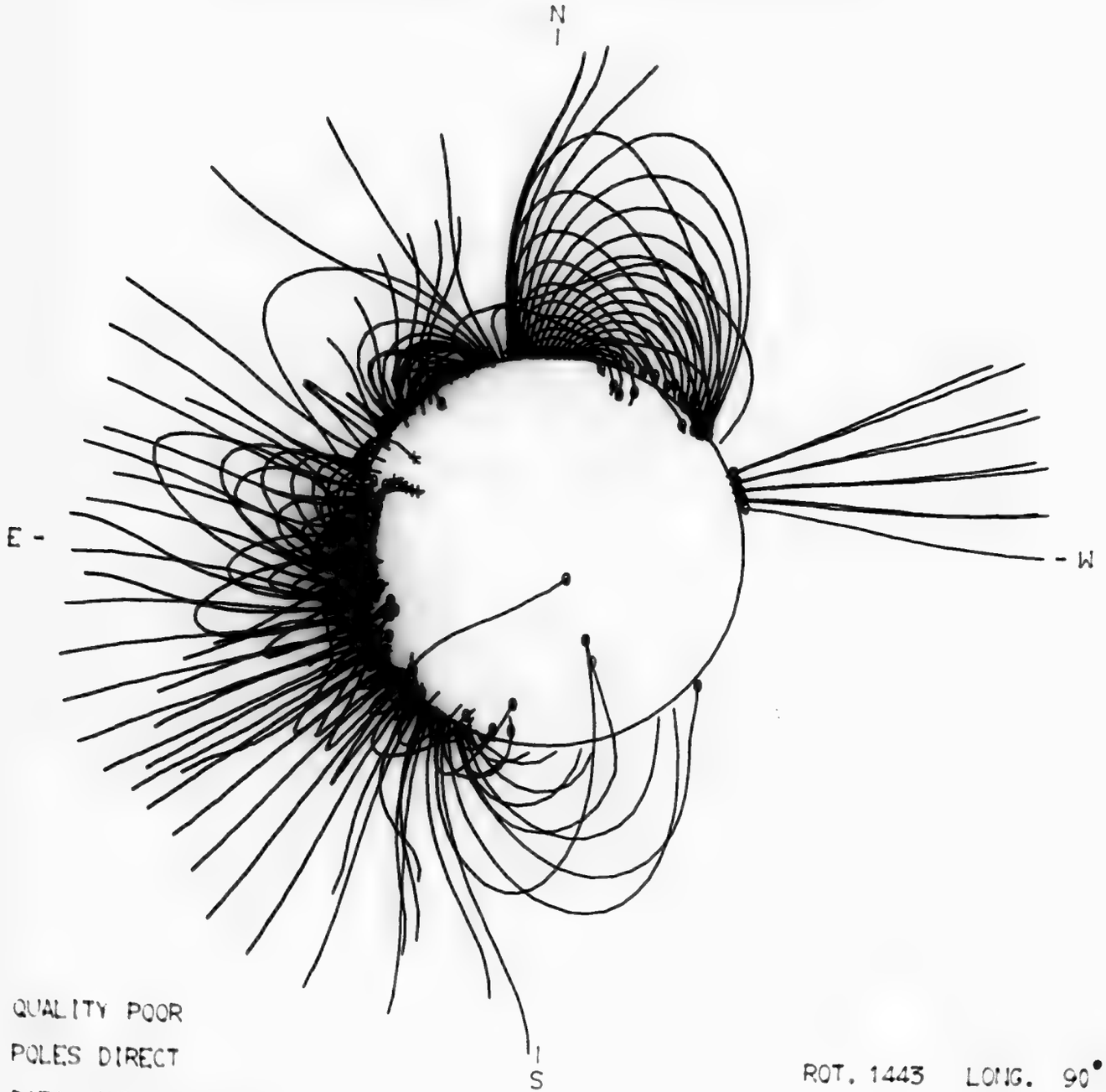
POLES DIRECT

DATA WINDOW 1.1.13.00

ROT. 1443 LONG. 90°

7.2 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

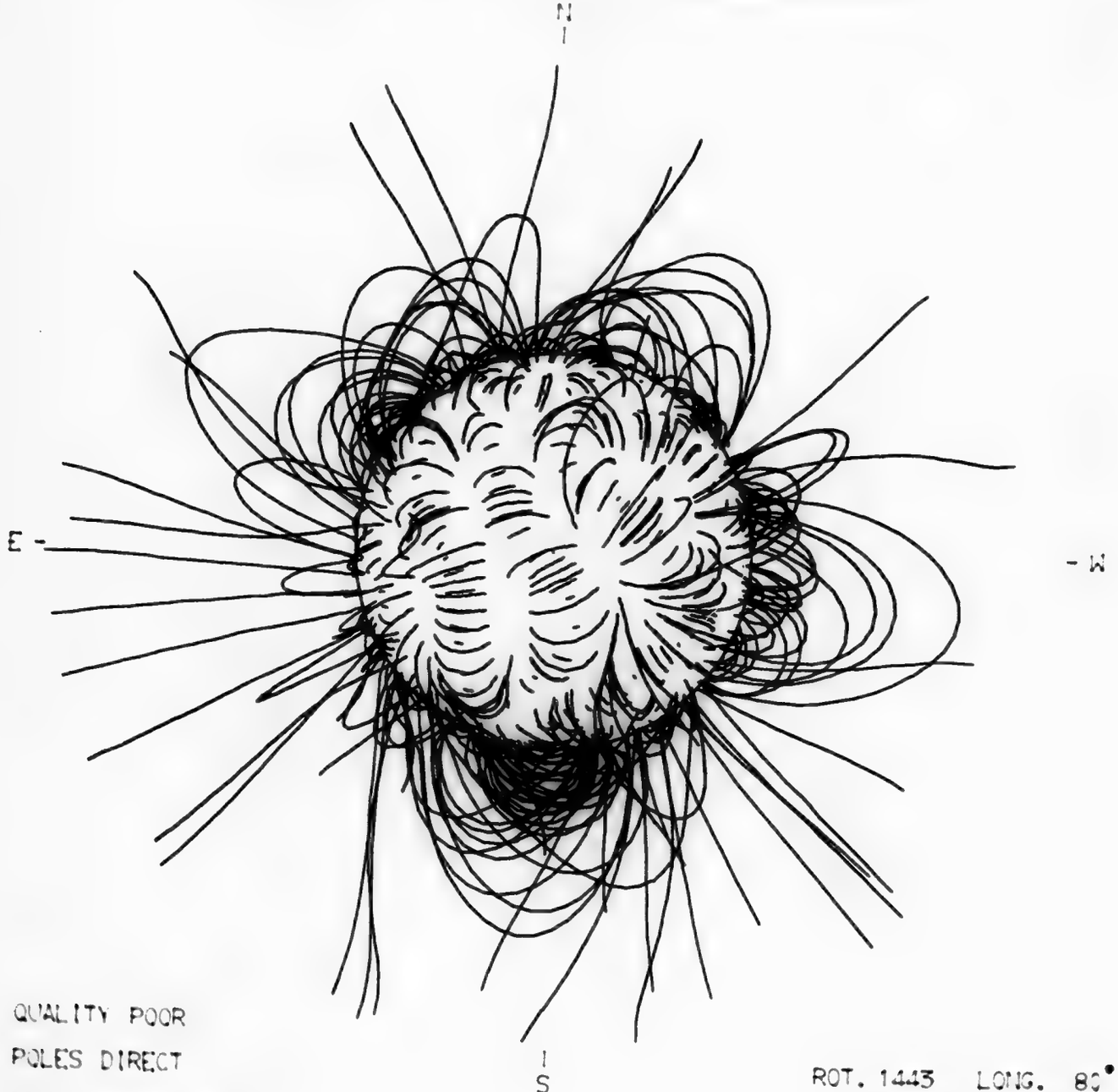
POLES DIRECT

DATA WINDOW 1443.00

ROT. 1443 LONG. 90°

7.2 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

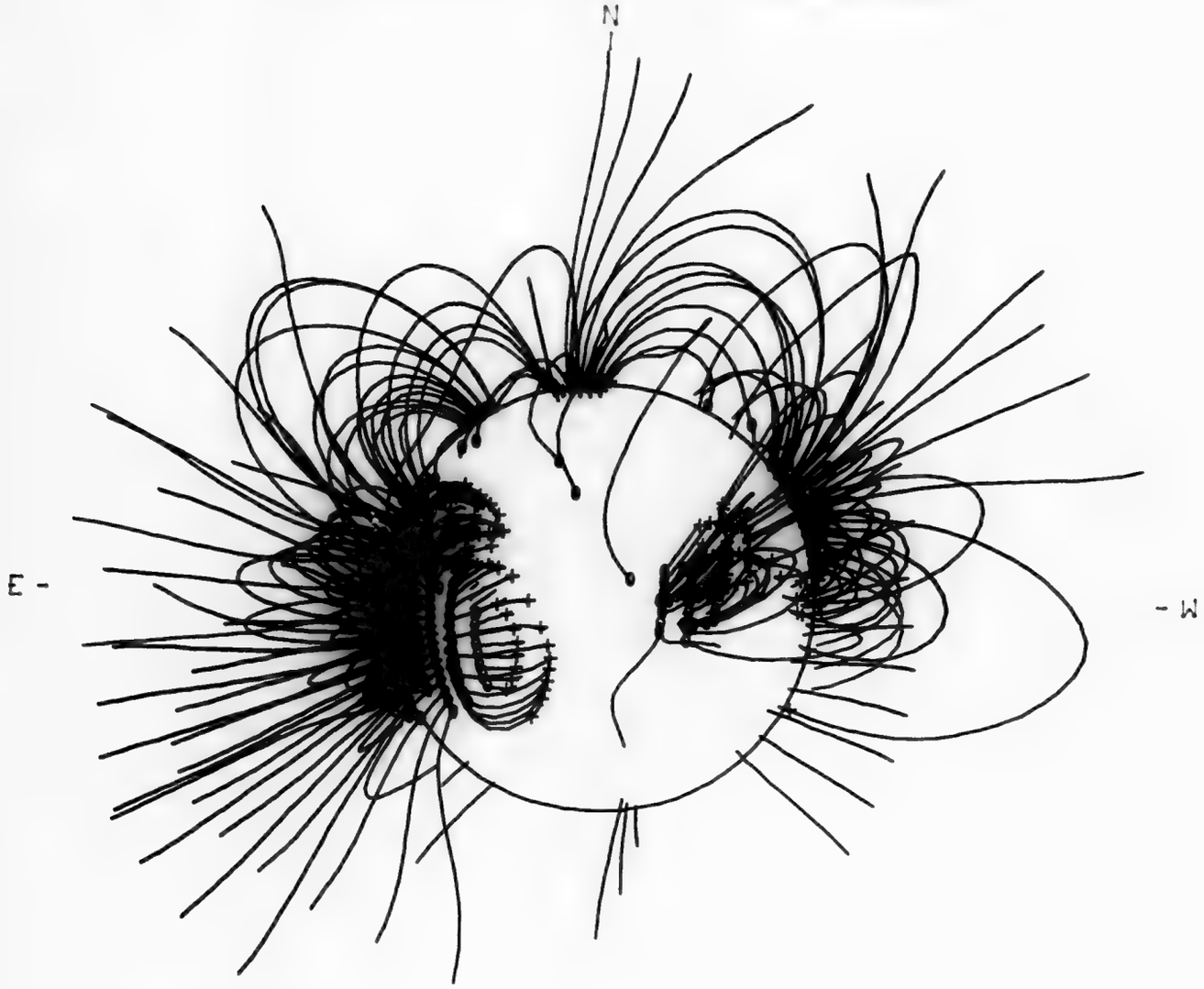
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1443 LONG. 80°

7.9 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1443.47

S

ROT. 1443 LONG. 80°

7.9 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

QUALITY POOR

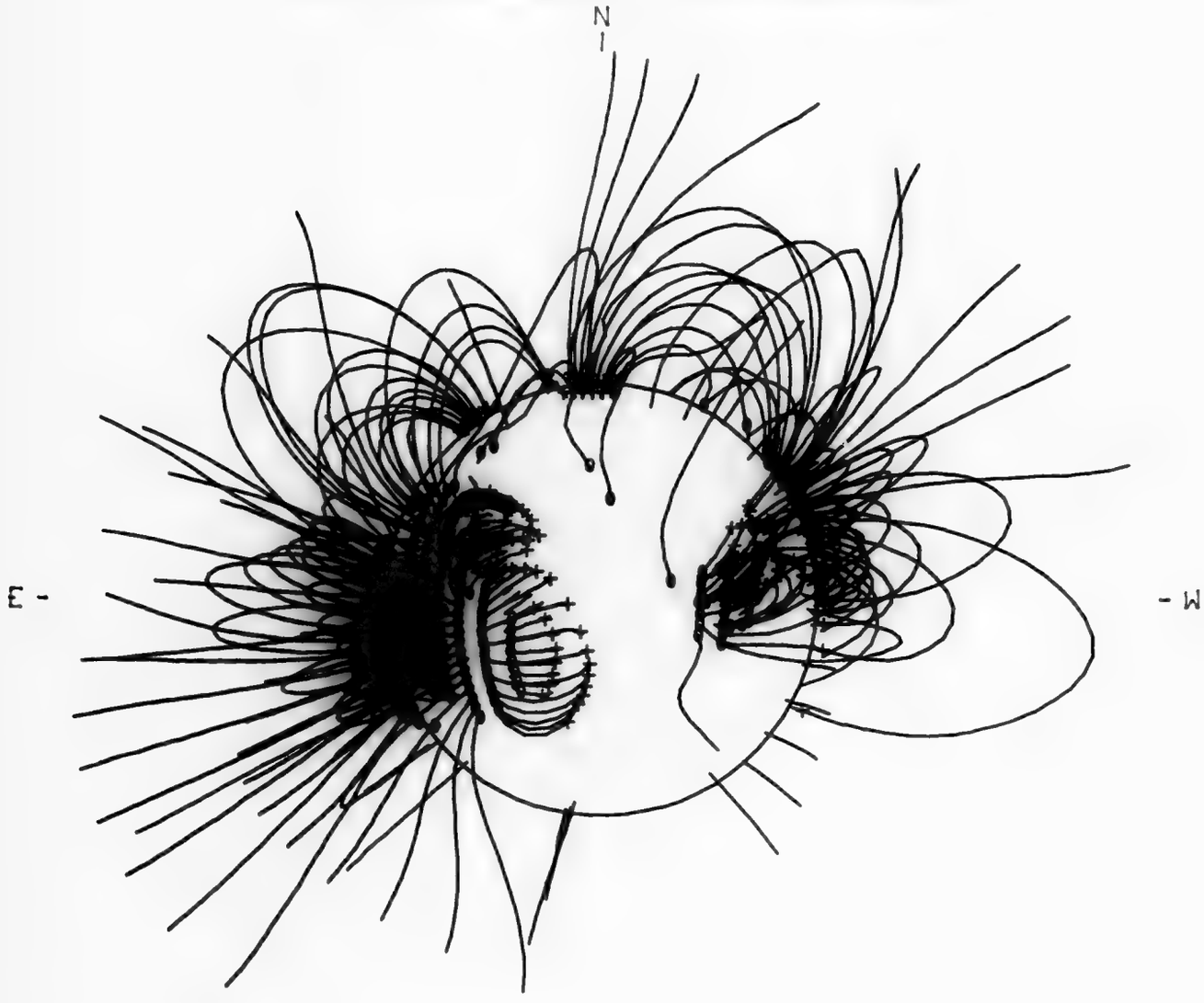
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1443 LONG. 70°

8.7 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

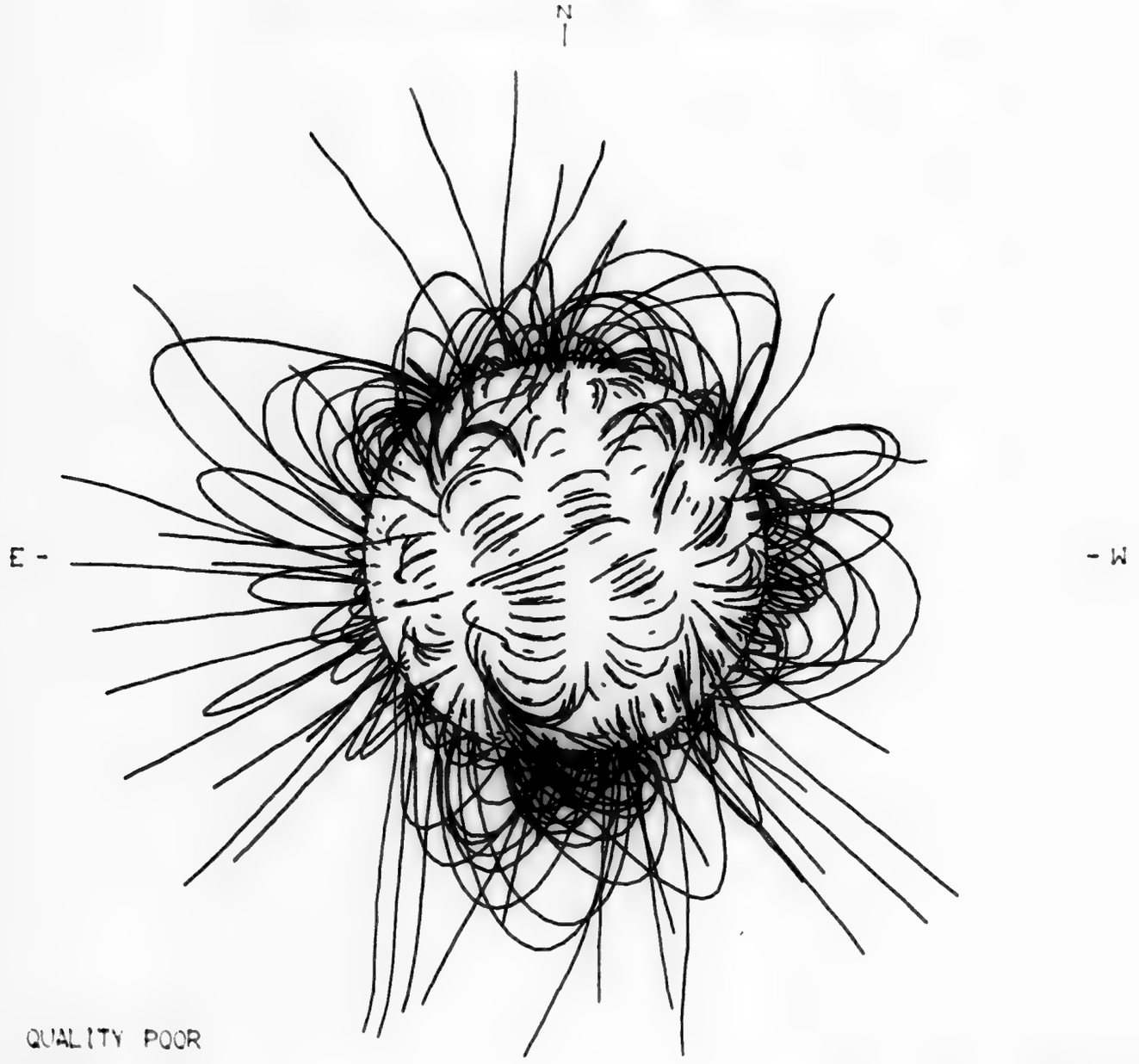
DATA WINDOW 1443.47

S

ROT. 1443 LONG. 70°

8.7 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

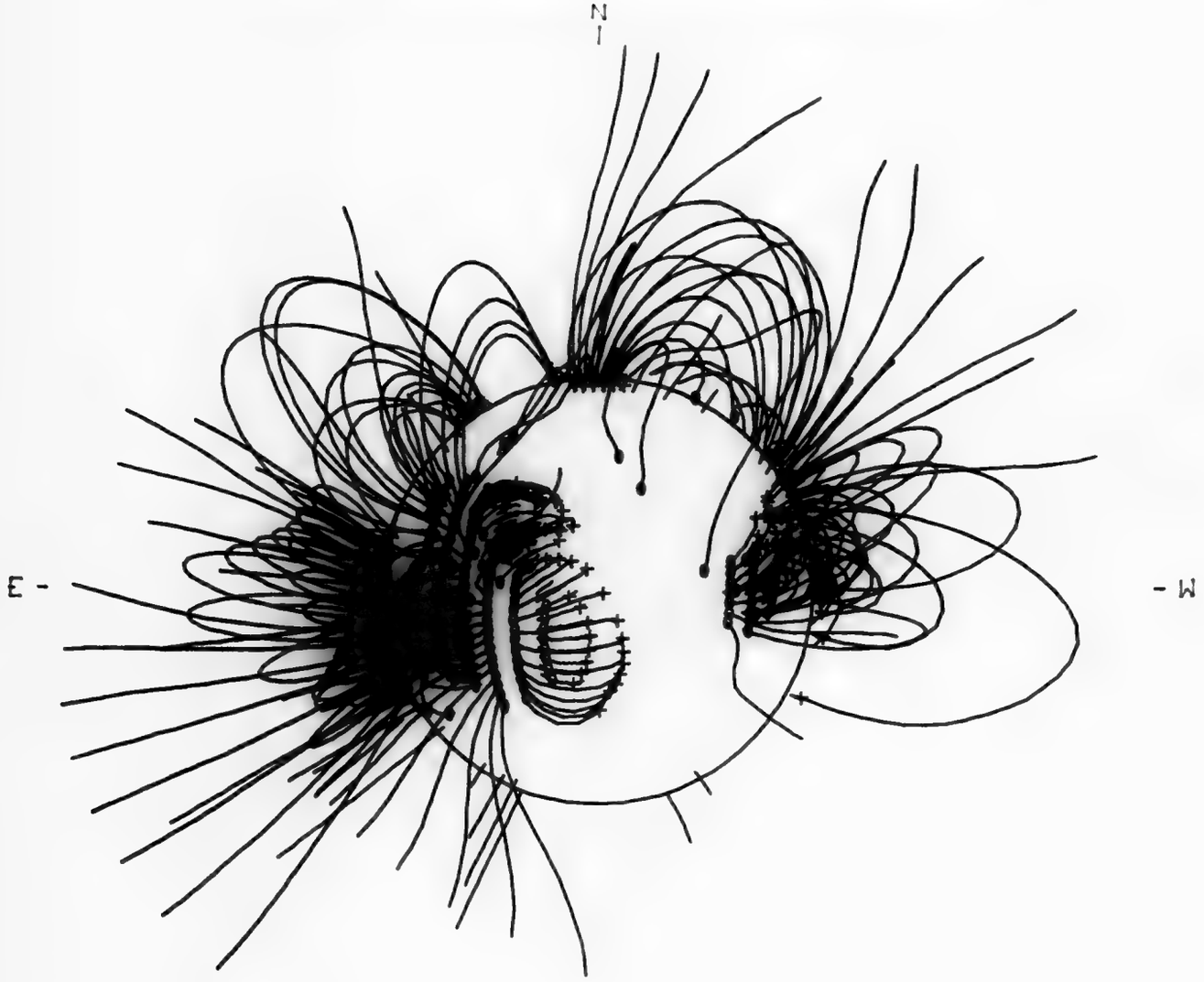
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1443 LONG. 60°

9.5 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1443.47

ROT. 1443 LONG. 60°

9.5 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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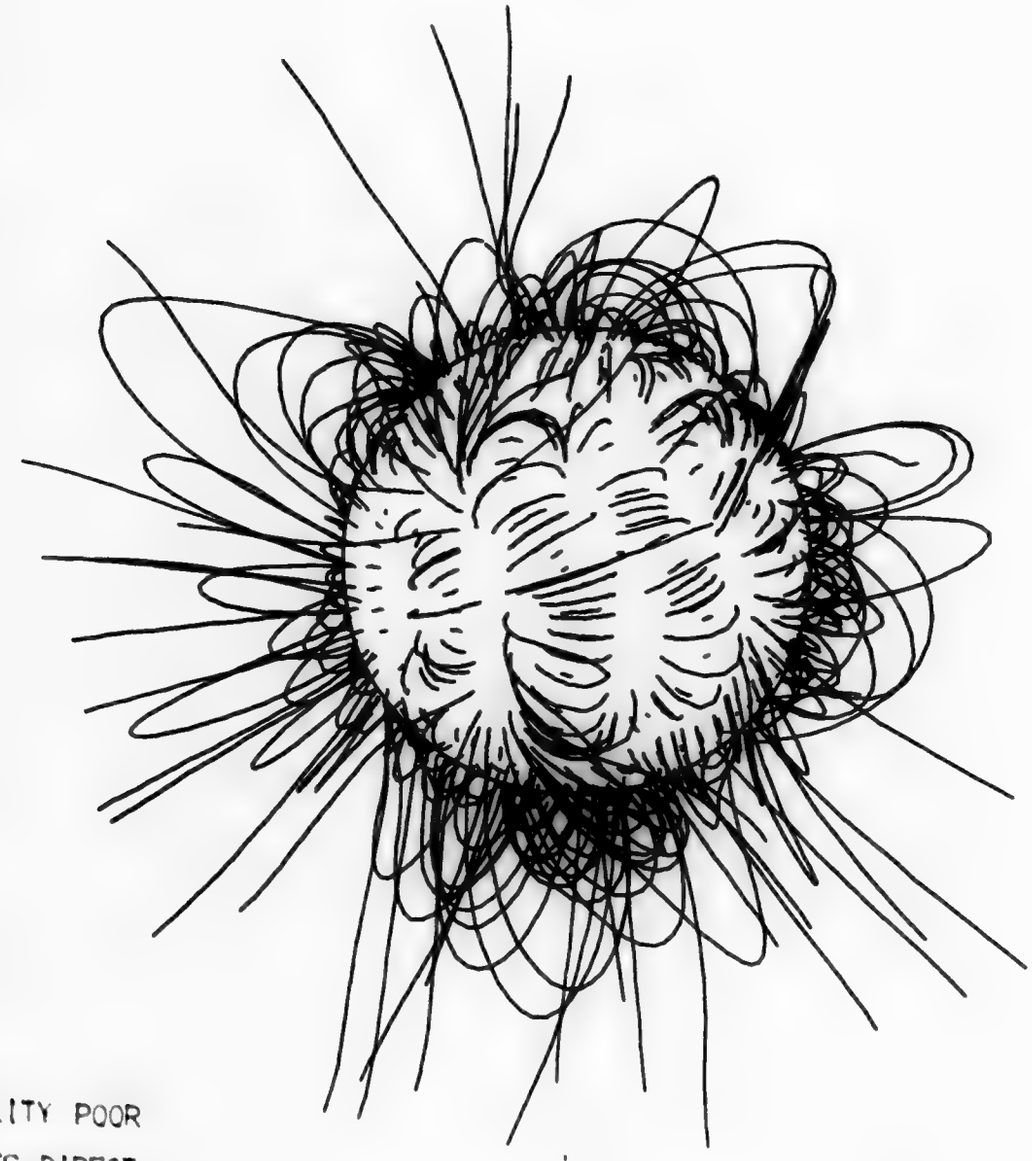


QUALITY POOR

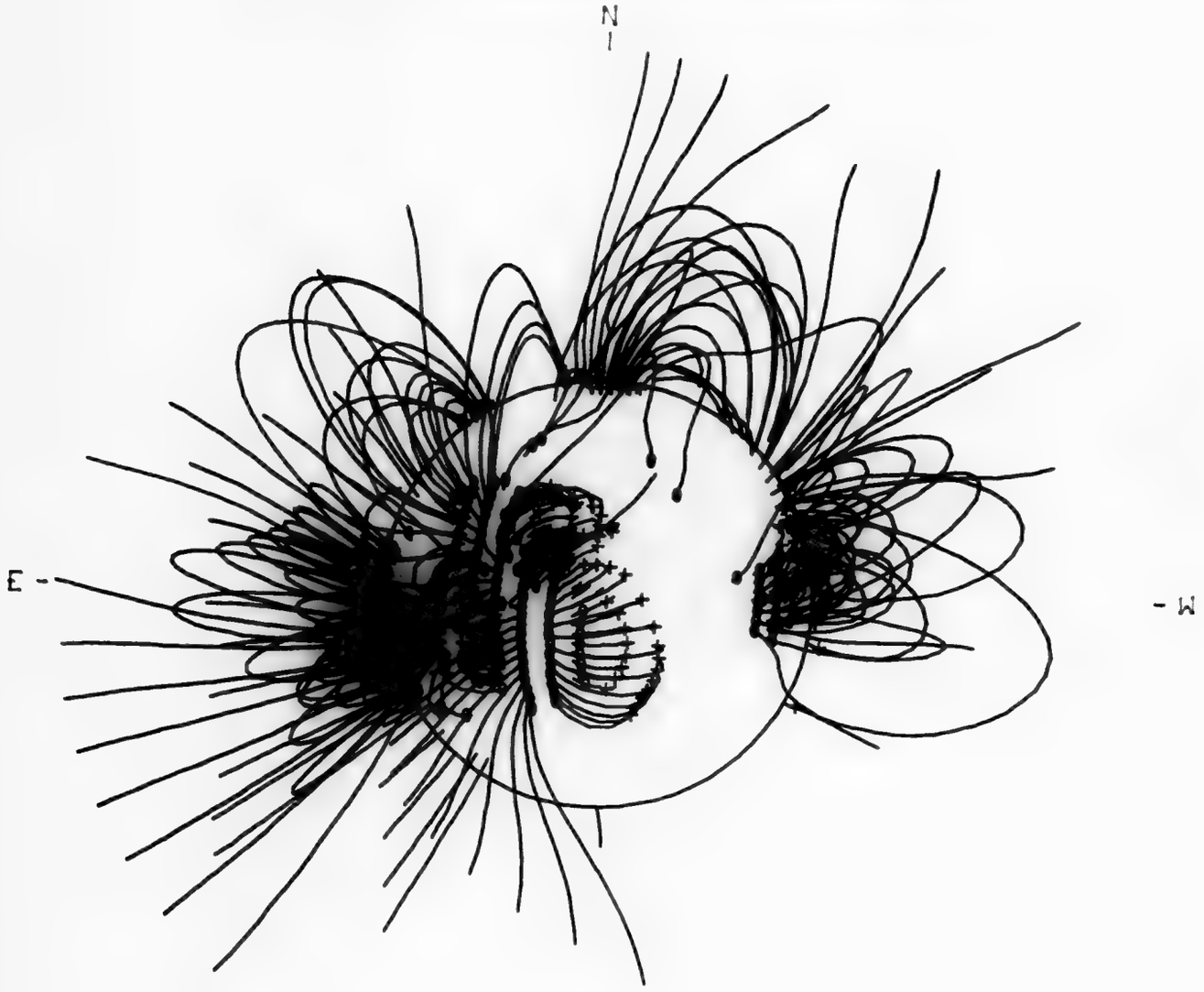
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1443 LONG. 50°

10.2 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

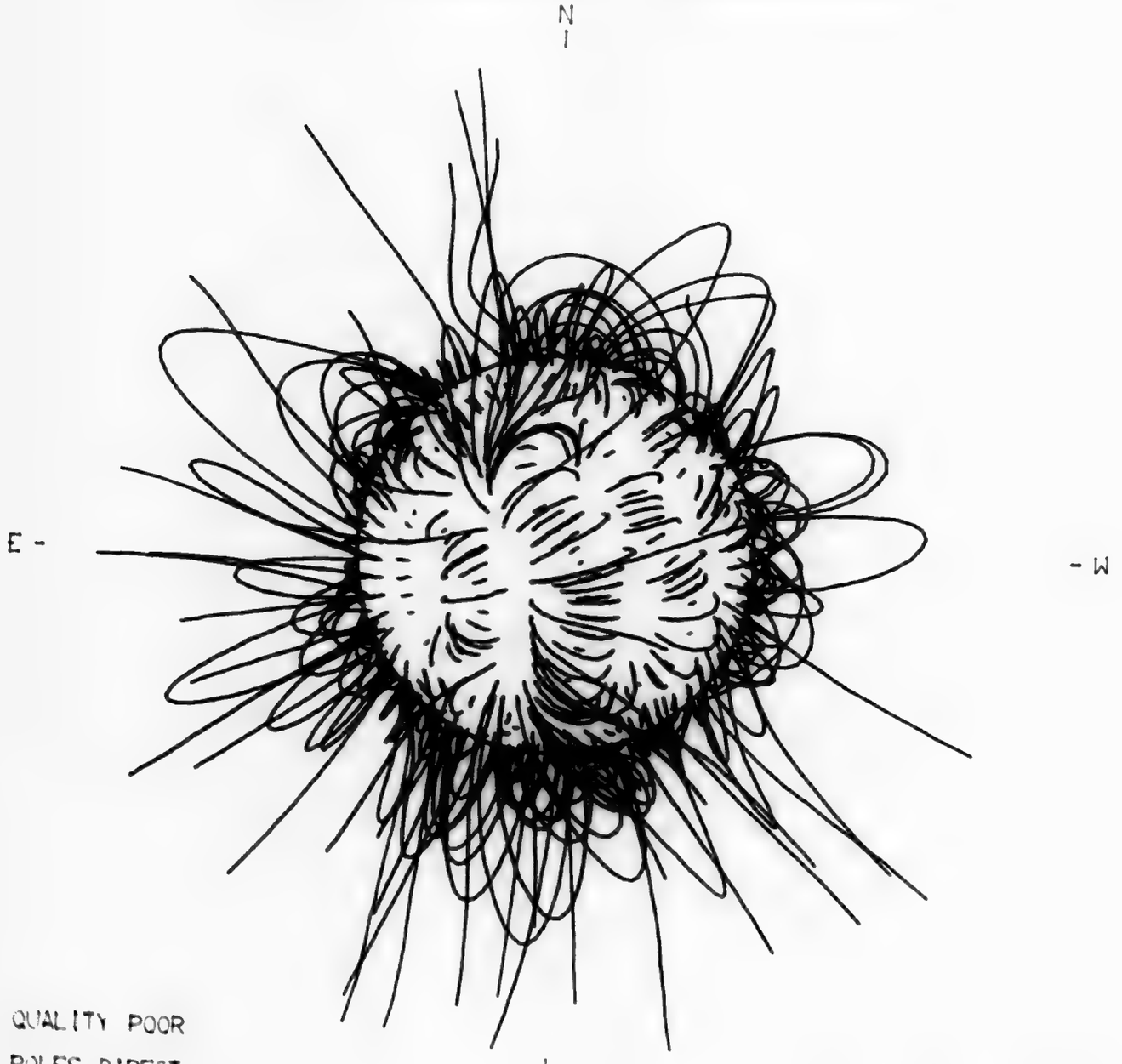
POLES DIRECT

DATA WINDOW 1.1.13.47

ROT. 1443 LONG. 50°

10.2 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

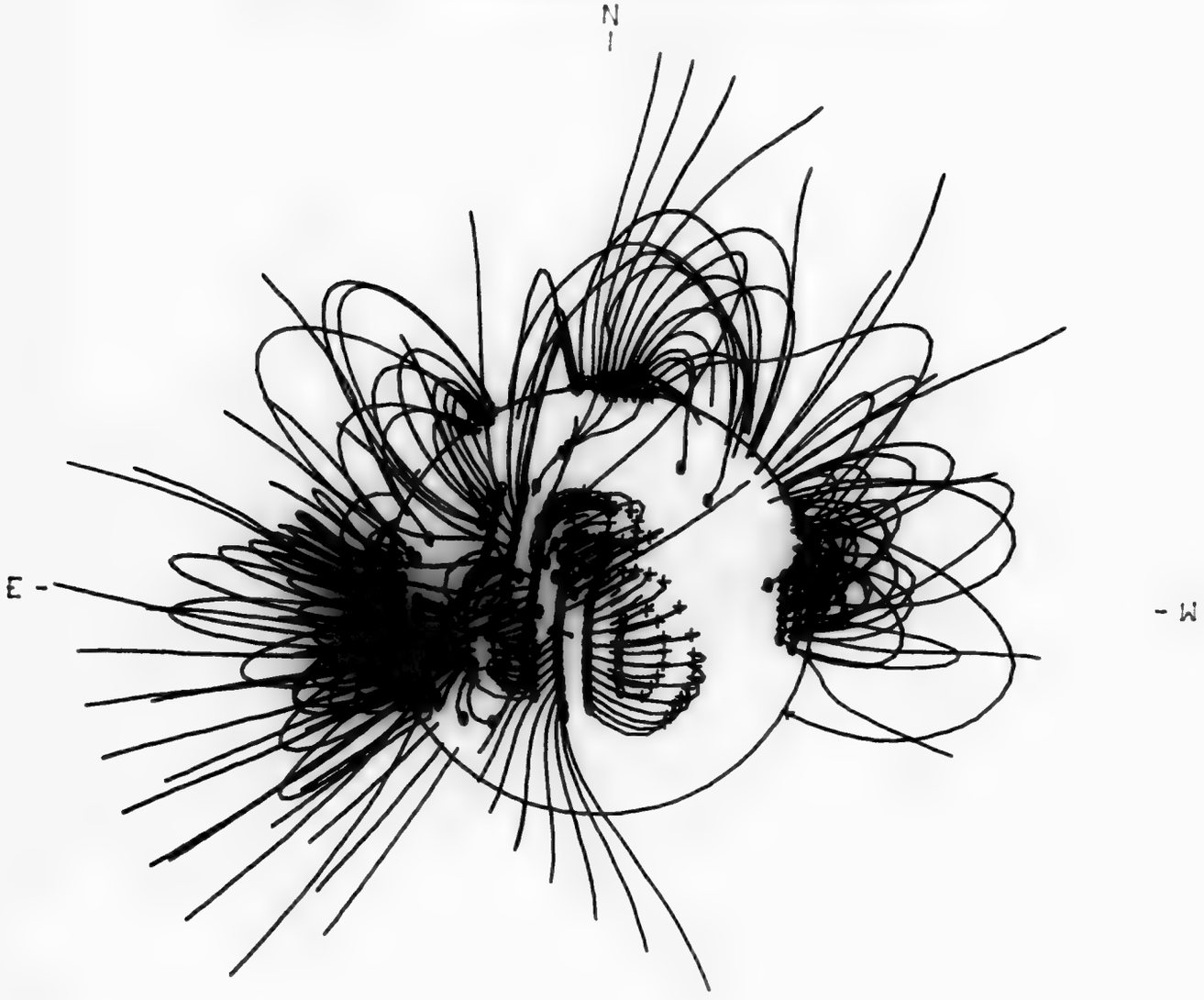
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1443 LONG. 40°

11.0 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

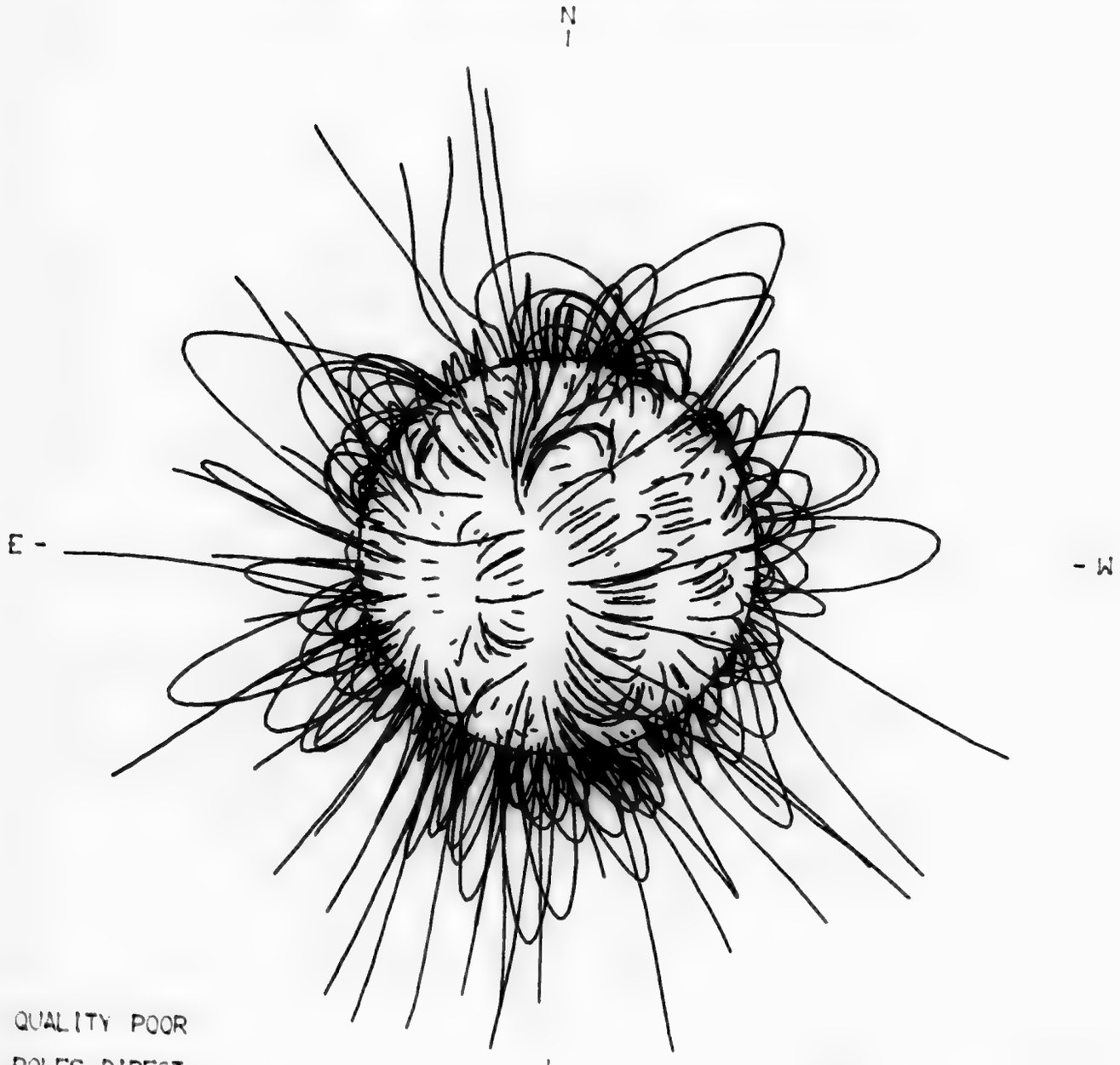
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1443 LONG. 40°

11.0 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

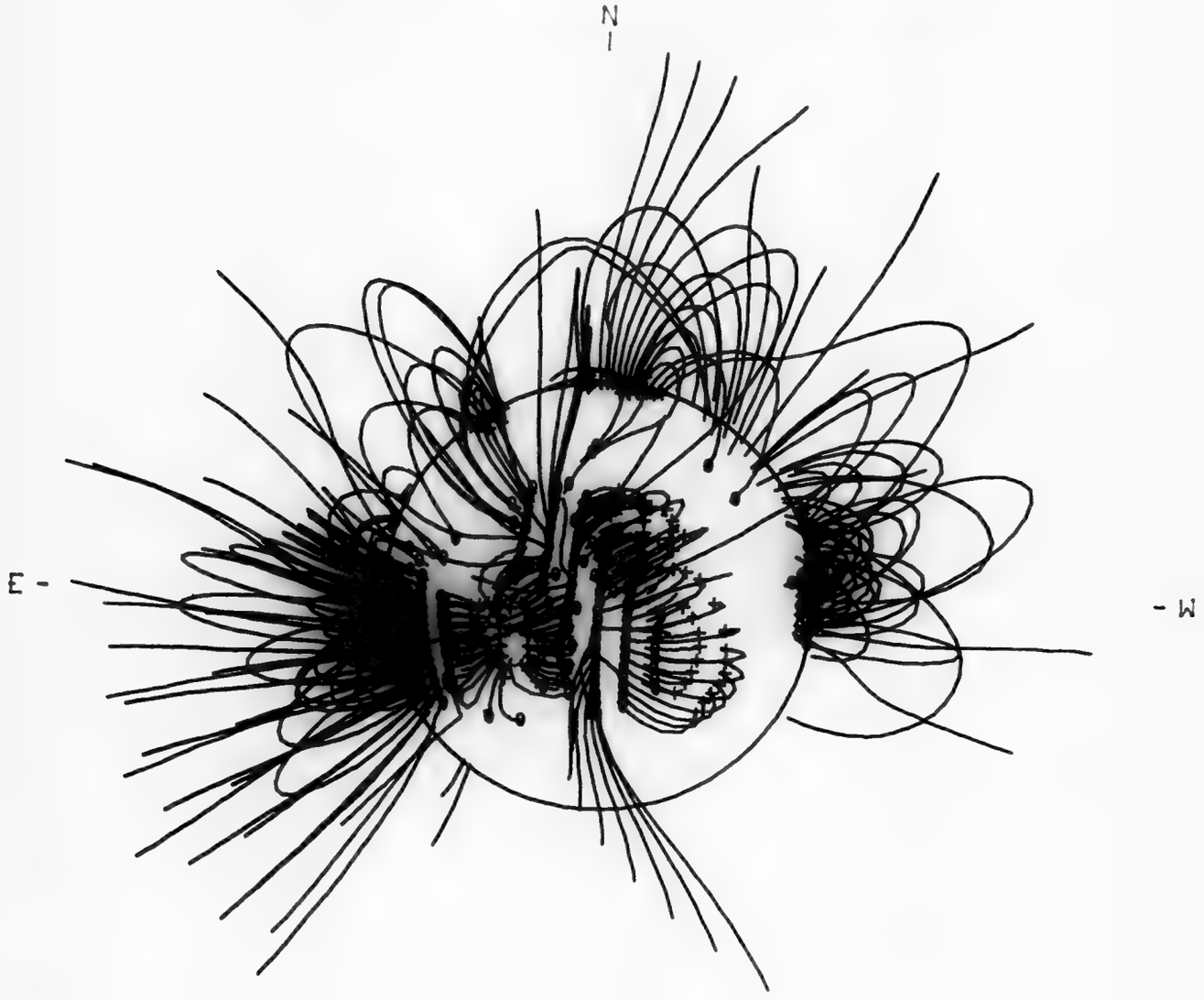
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1443 LONG. 30°

11.7 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

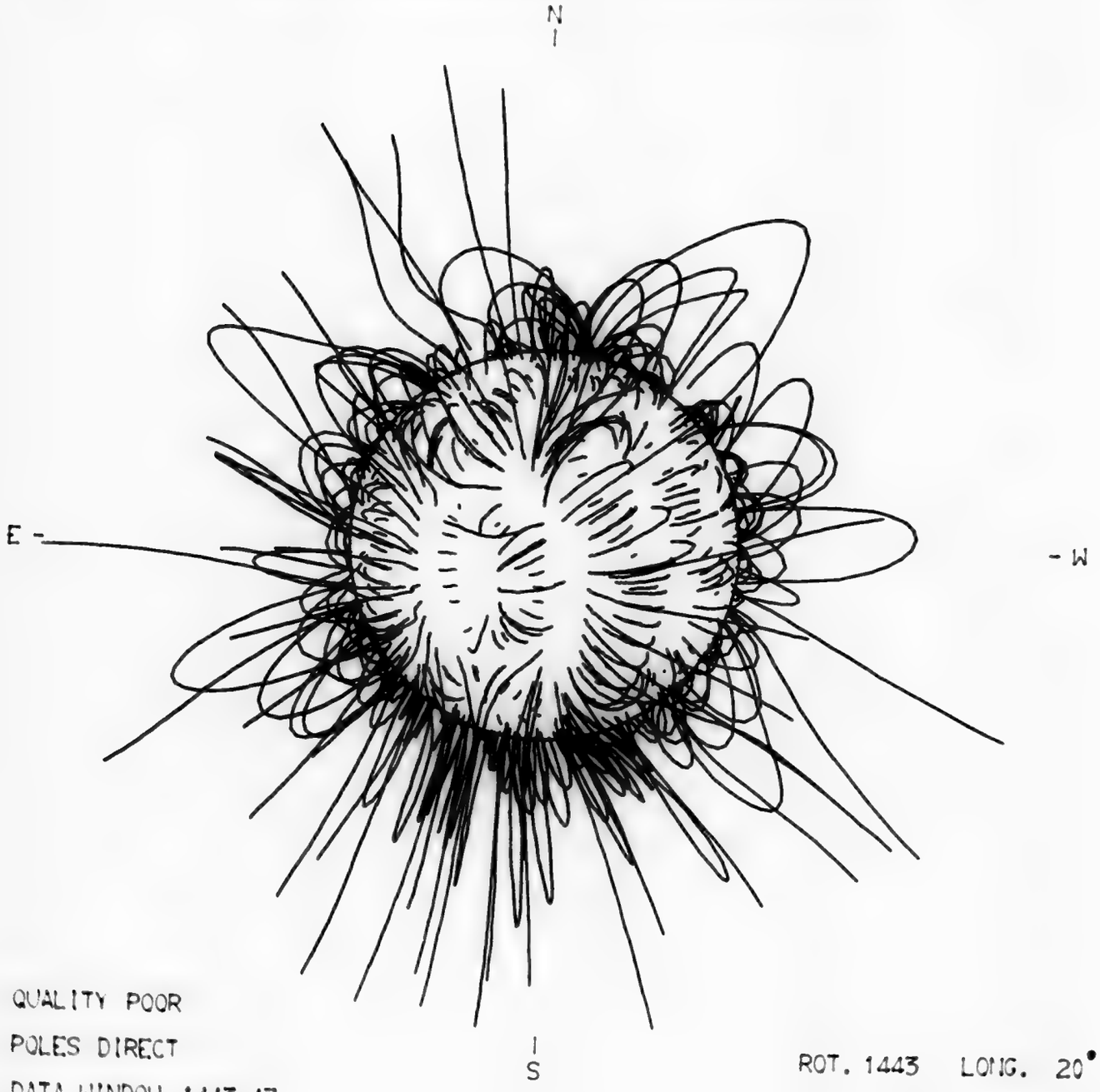
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1443 LONG. 30°

11.7 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

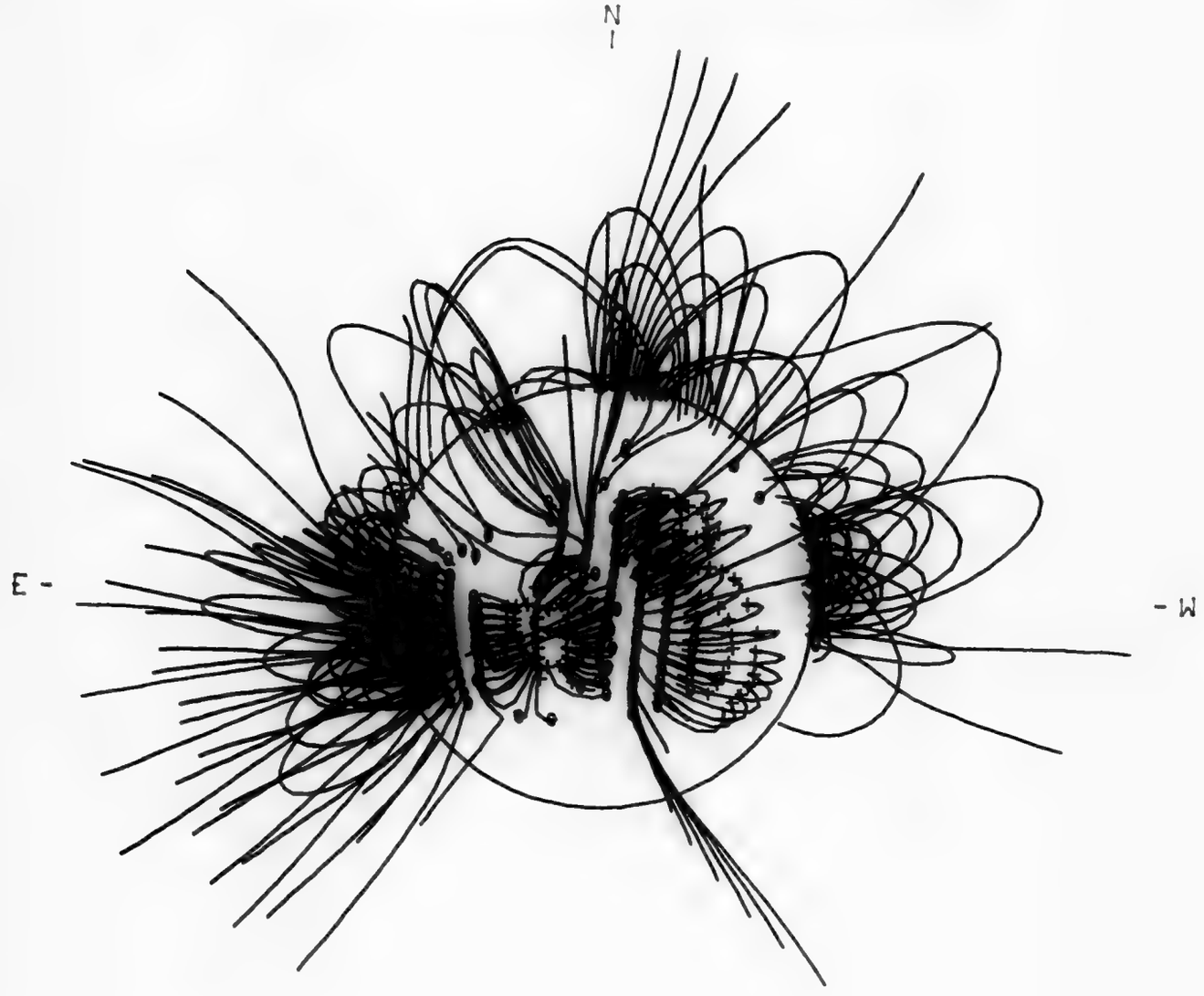
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1443 LONG. 20°

12.5 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

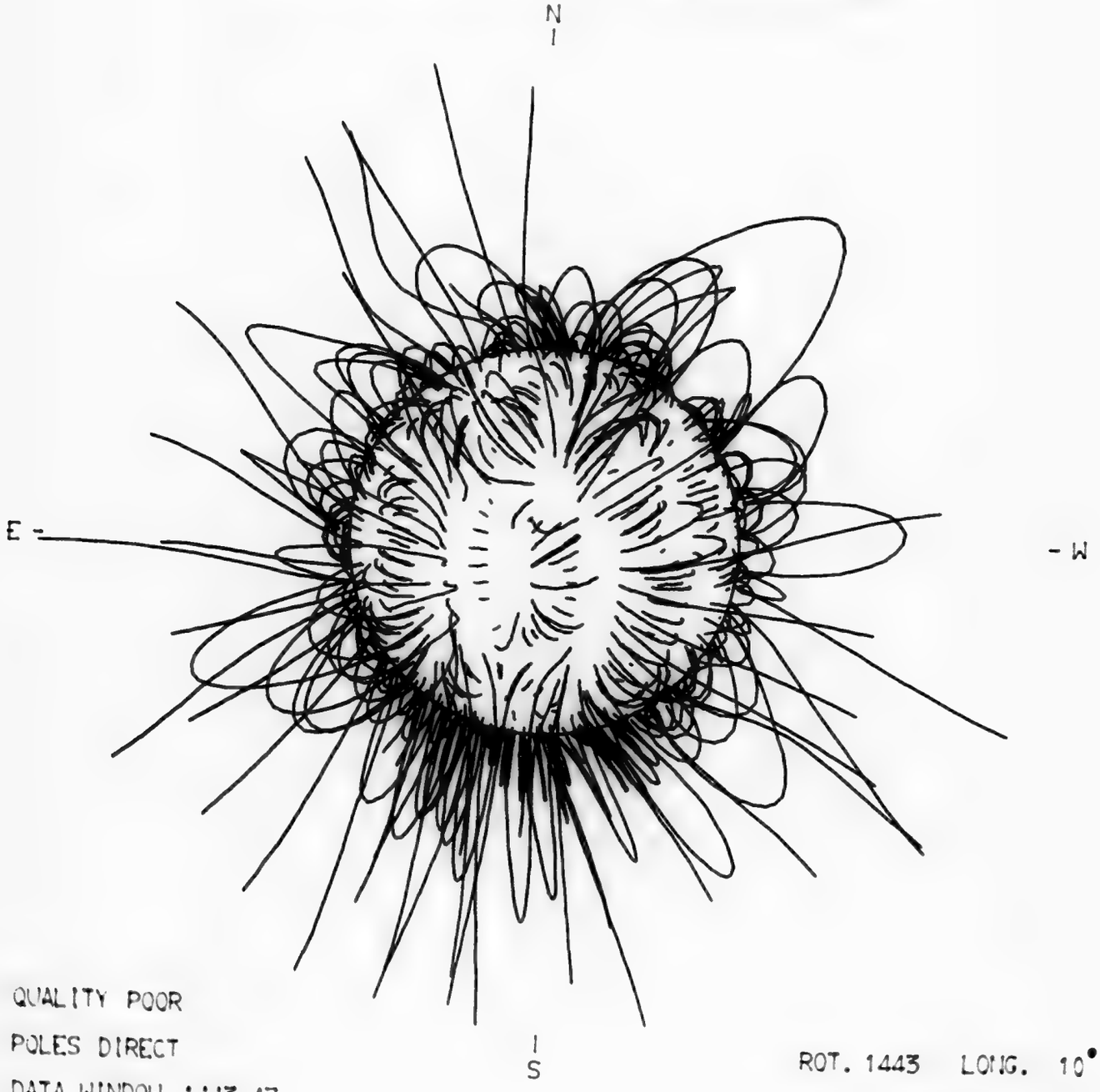
POLES DIRECT

DATA WINDOW 1.1.13.47

ROT. 1443 LONG. 20°

12.5 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

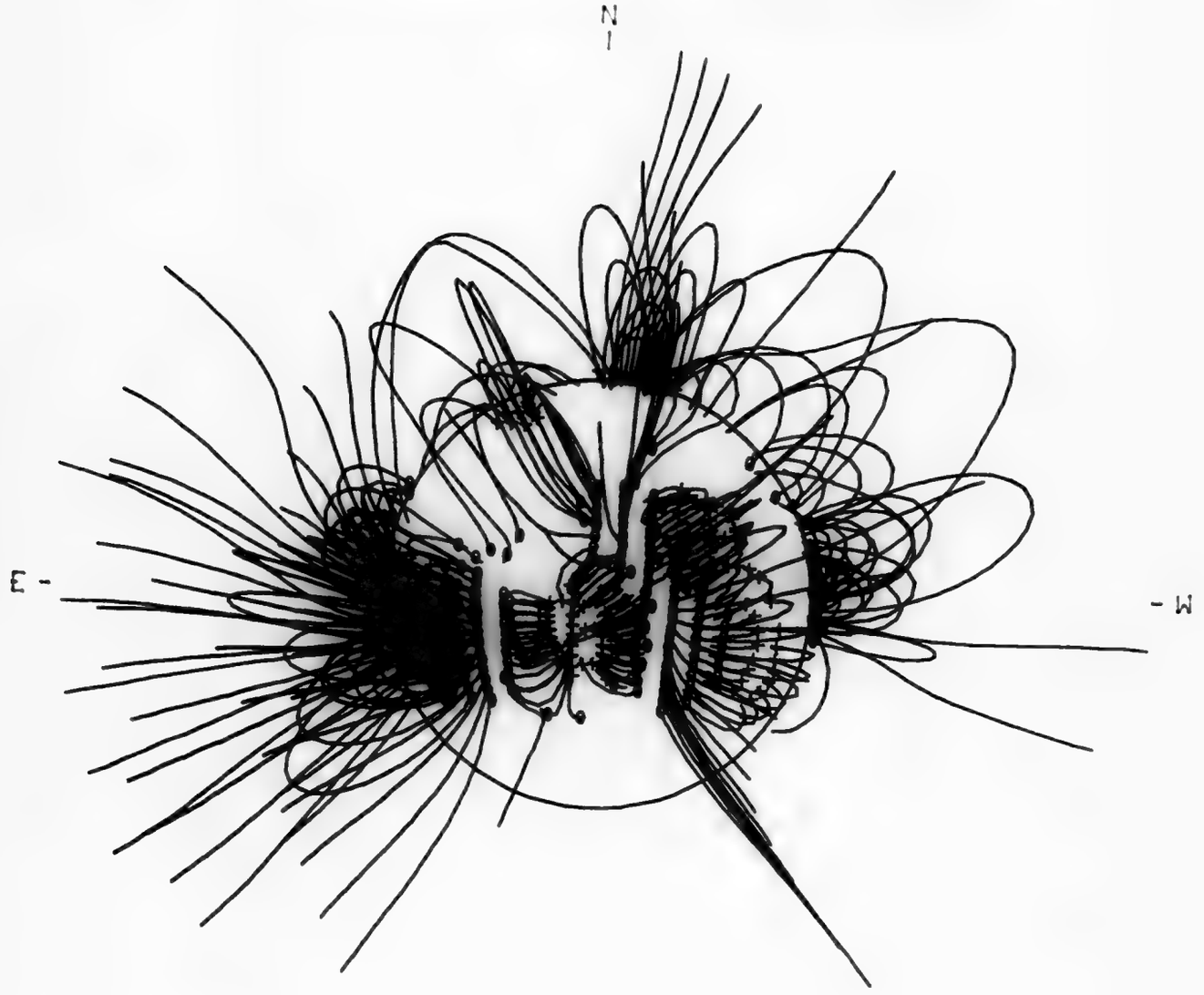
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1443 LONG. 10°

13.3 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

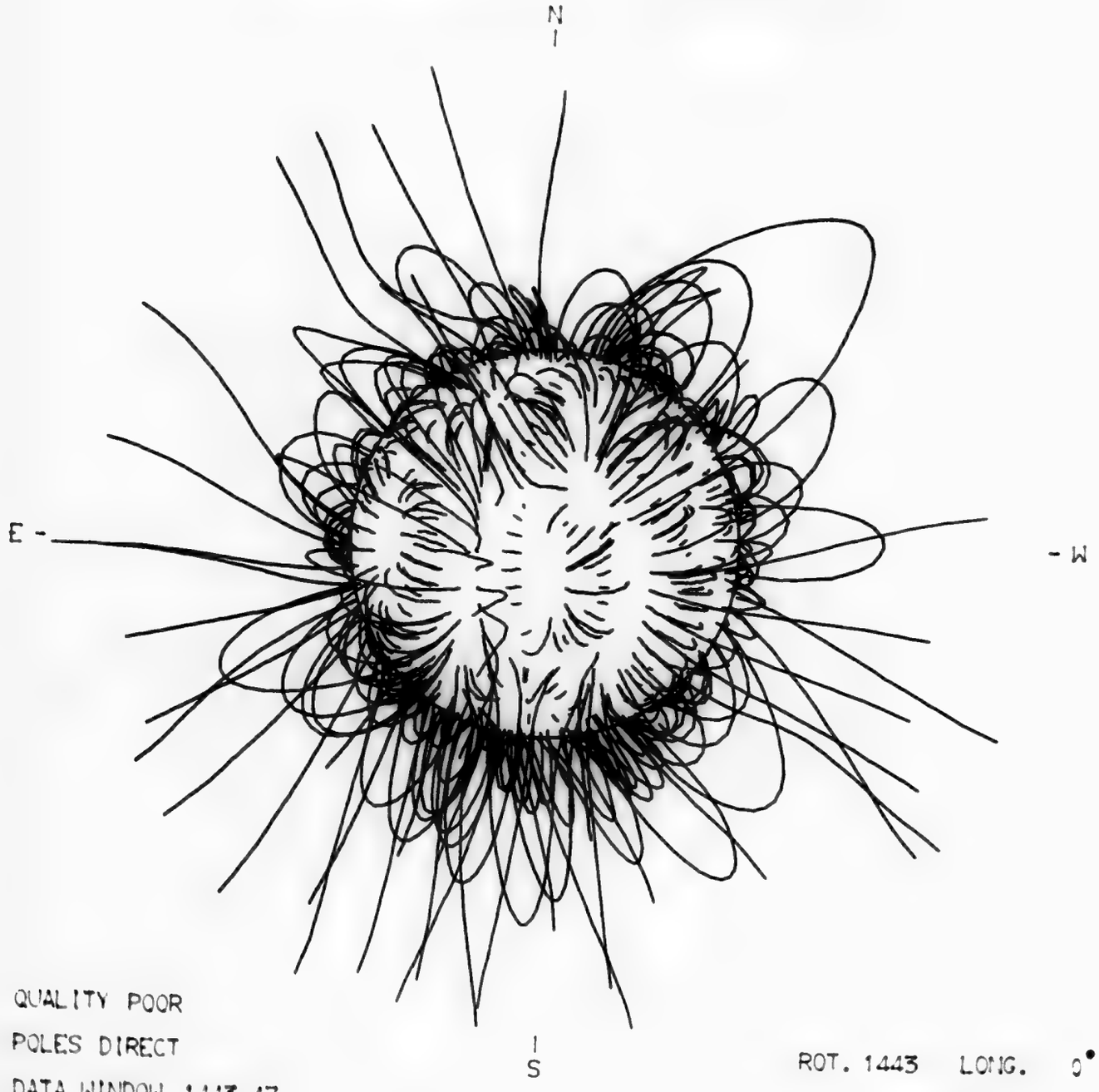
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1443 LONG. 10°

13.3 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

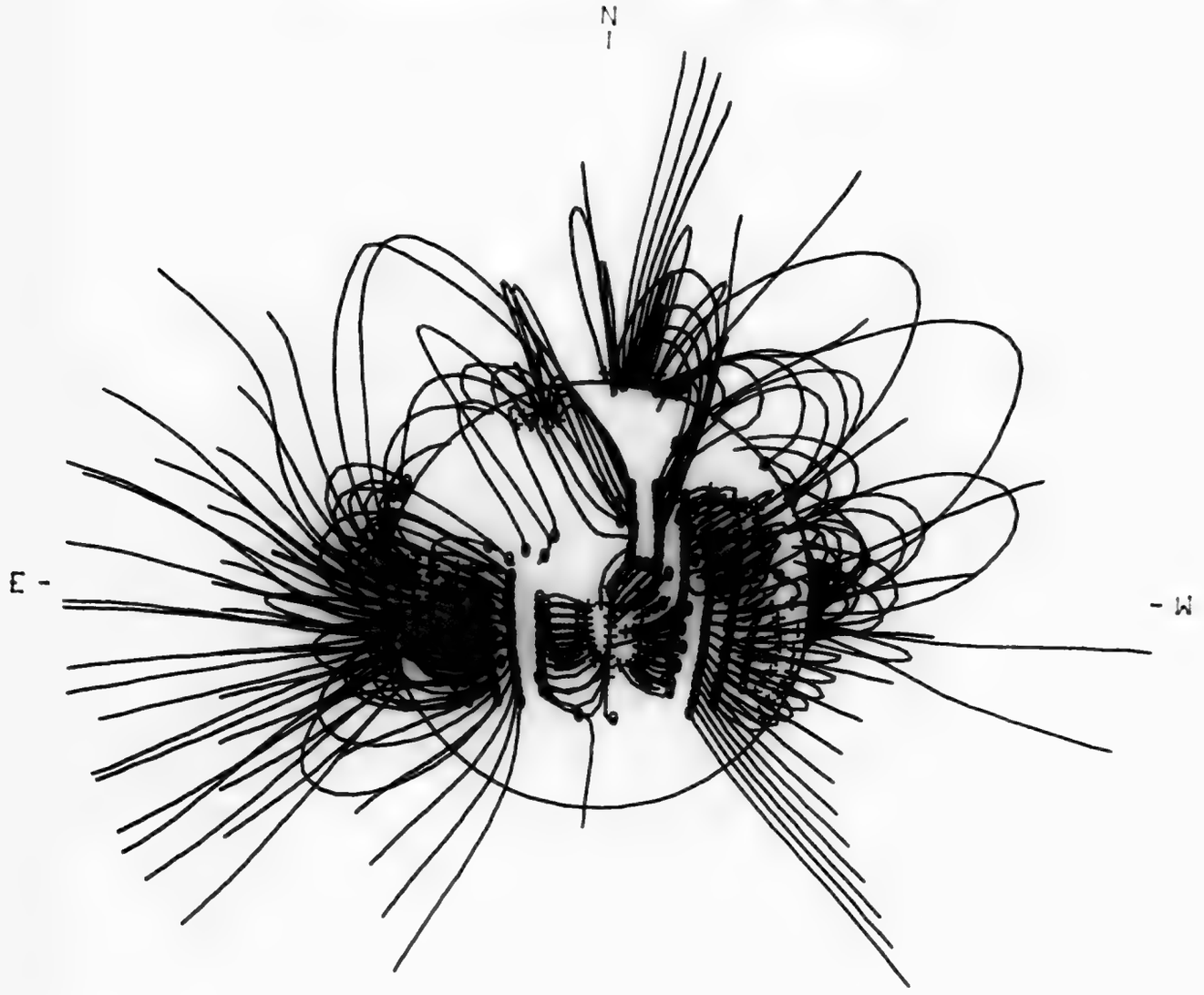
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1443 LONG. 0°

14.0 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

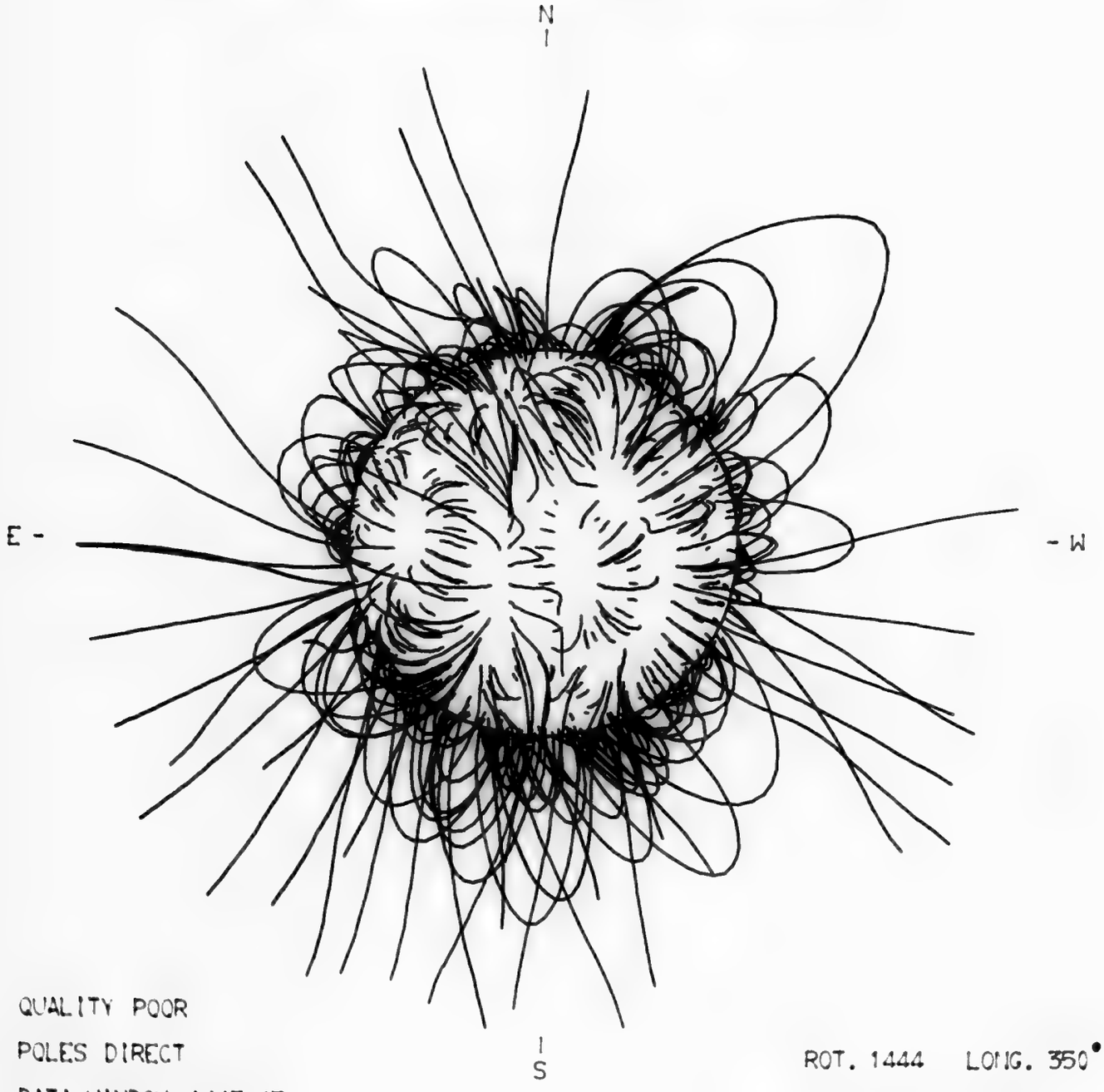
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1443 LONG. 0°

14.0 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

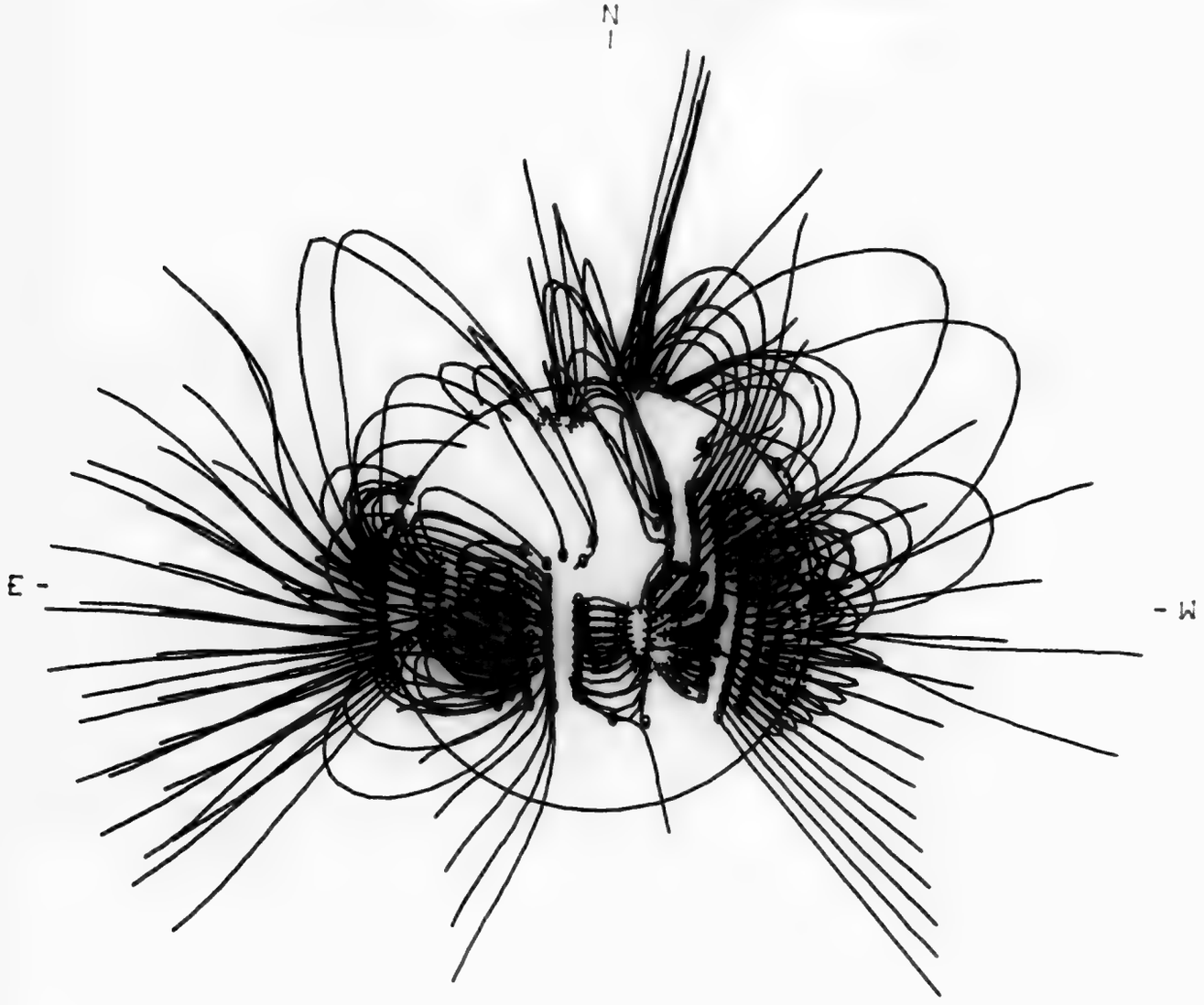
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1444 LONG. 350°

14.8 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

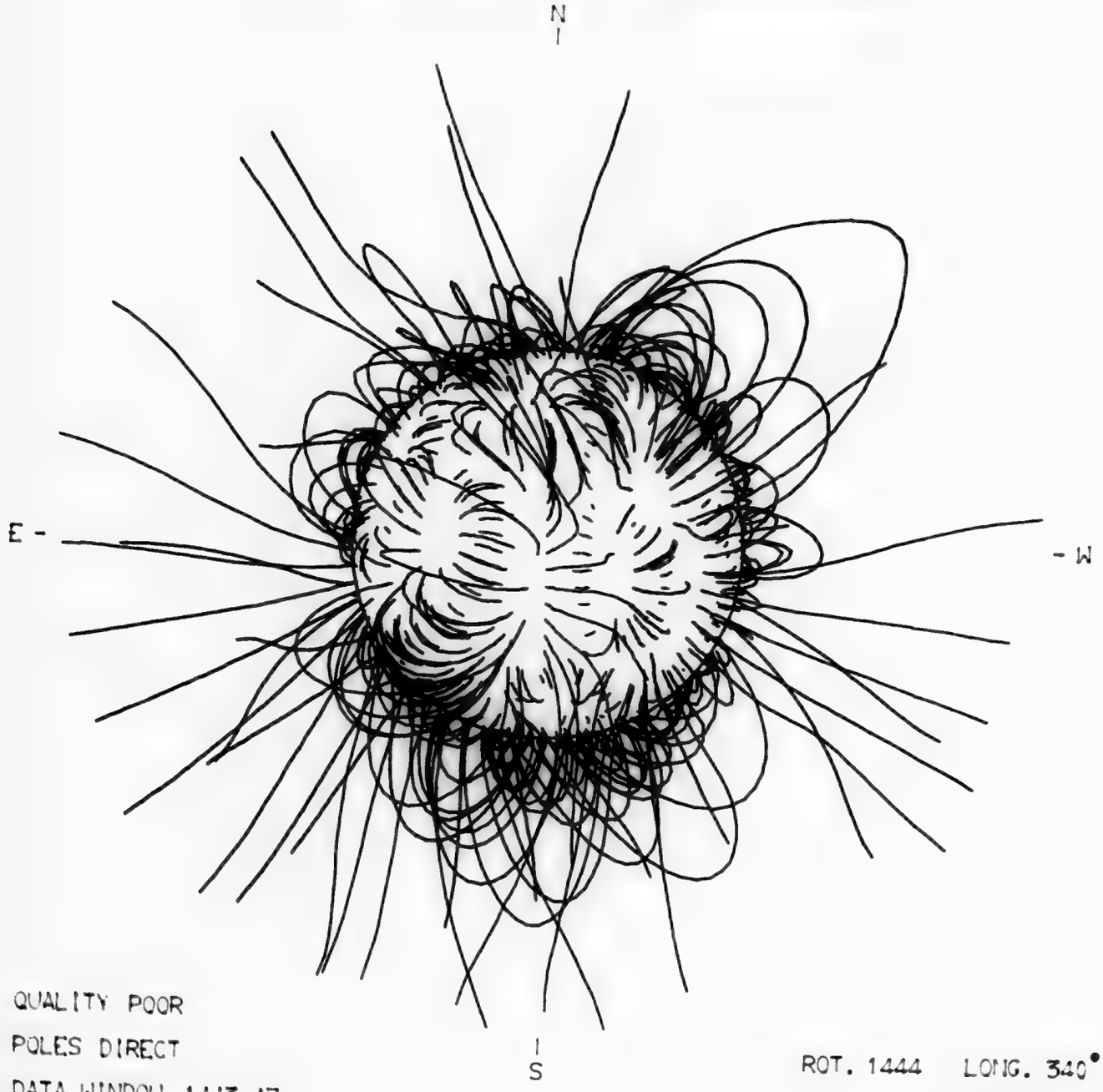
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1444 LONG. 350°

14.8 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

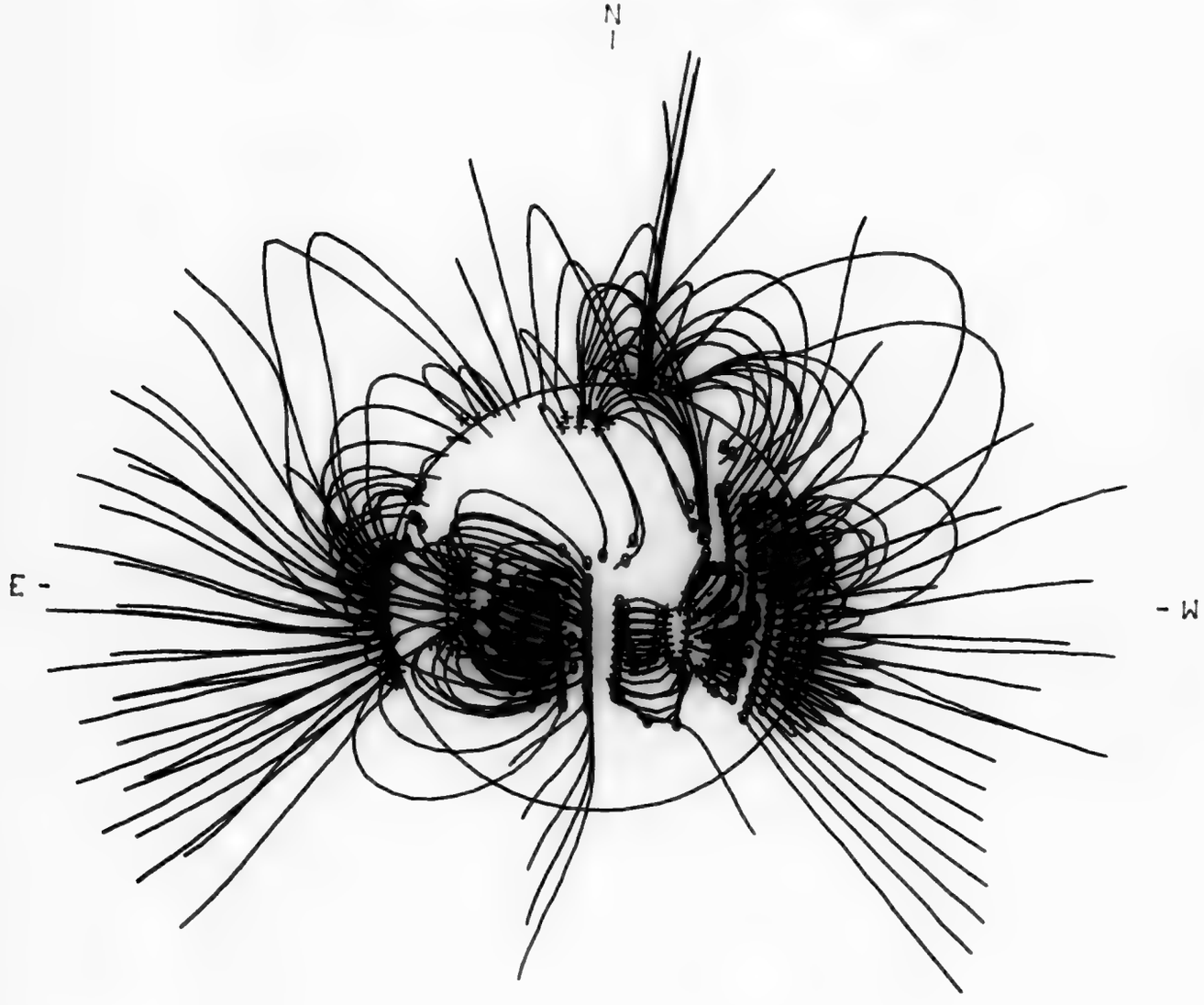
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1444 LONG. 340°

15.5 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

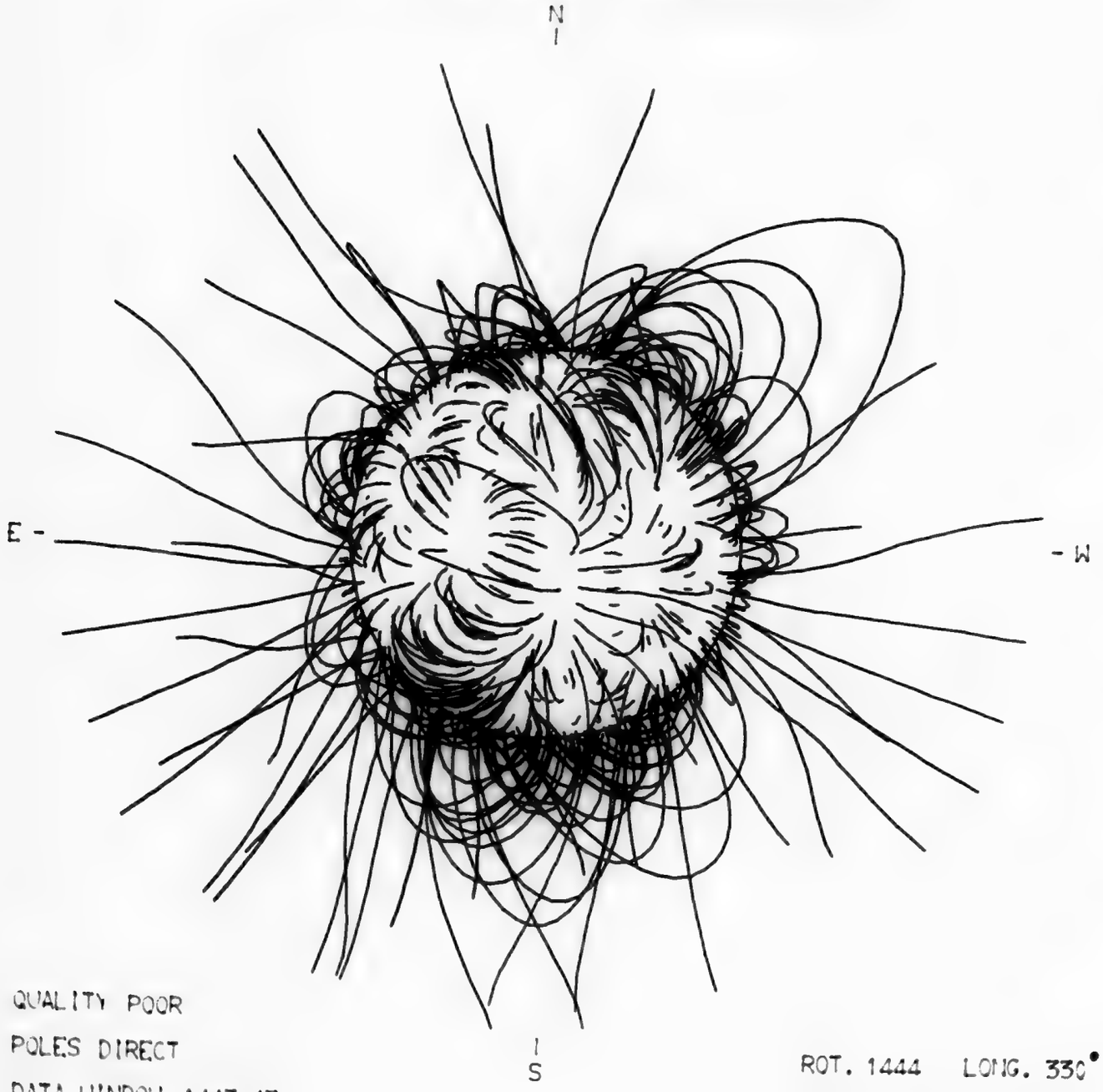
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1444 LONG. 340°

15.5 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

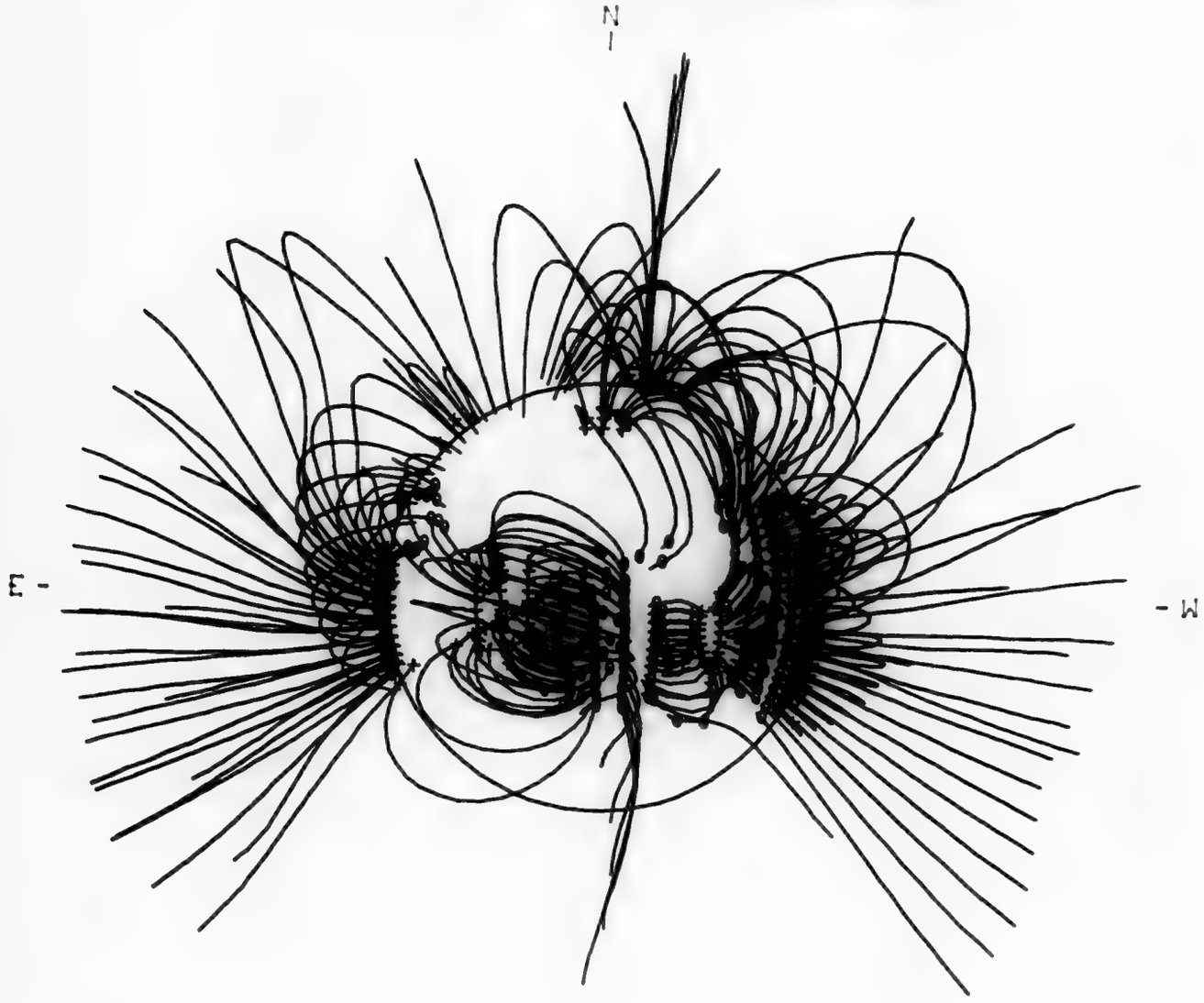
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1444 LONG. 330°

16.3 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

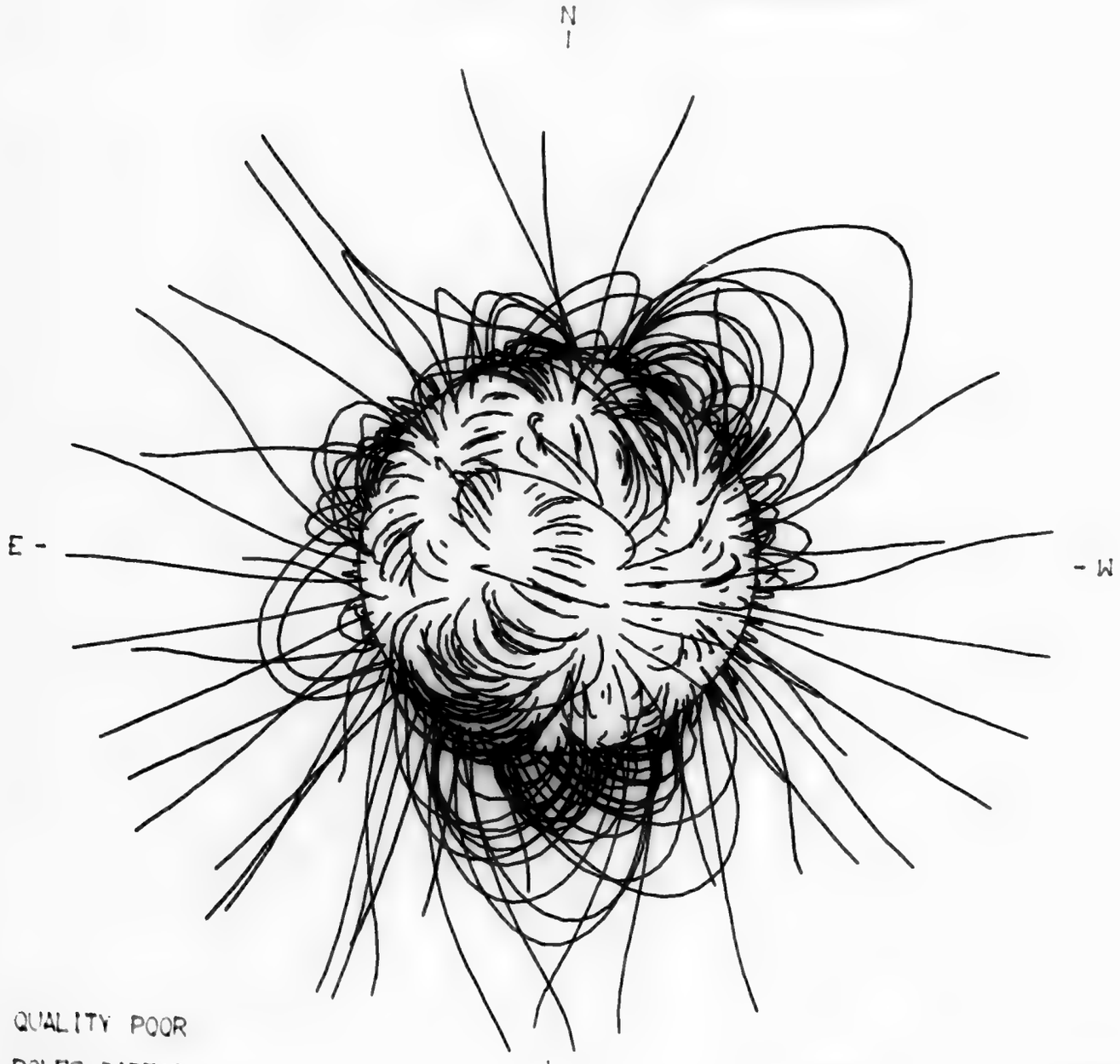
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1444 LONG. 330°

16.3 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

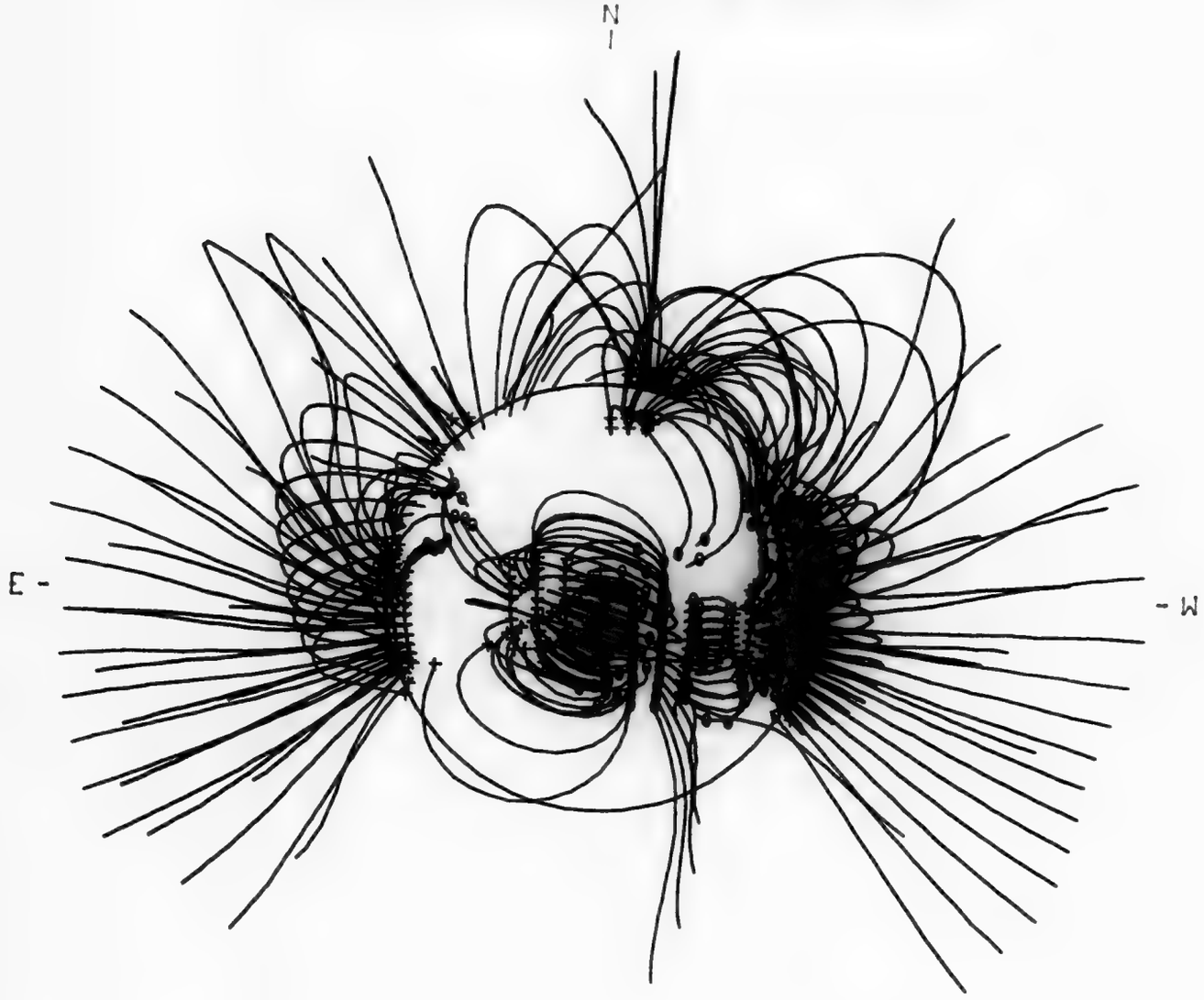
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1444 LONG. 320°

17.0 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

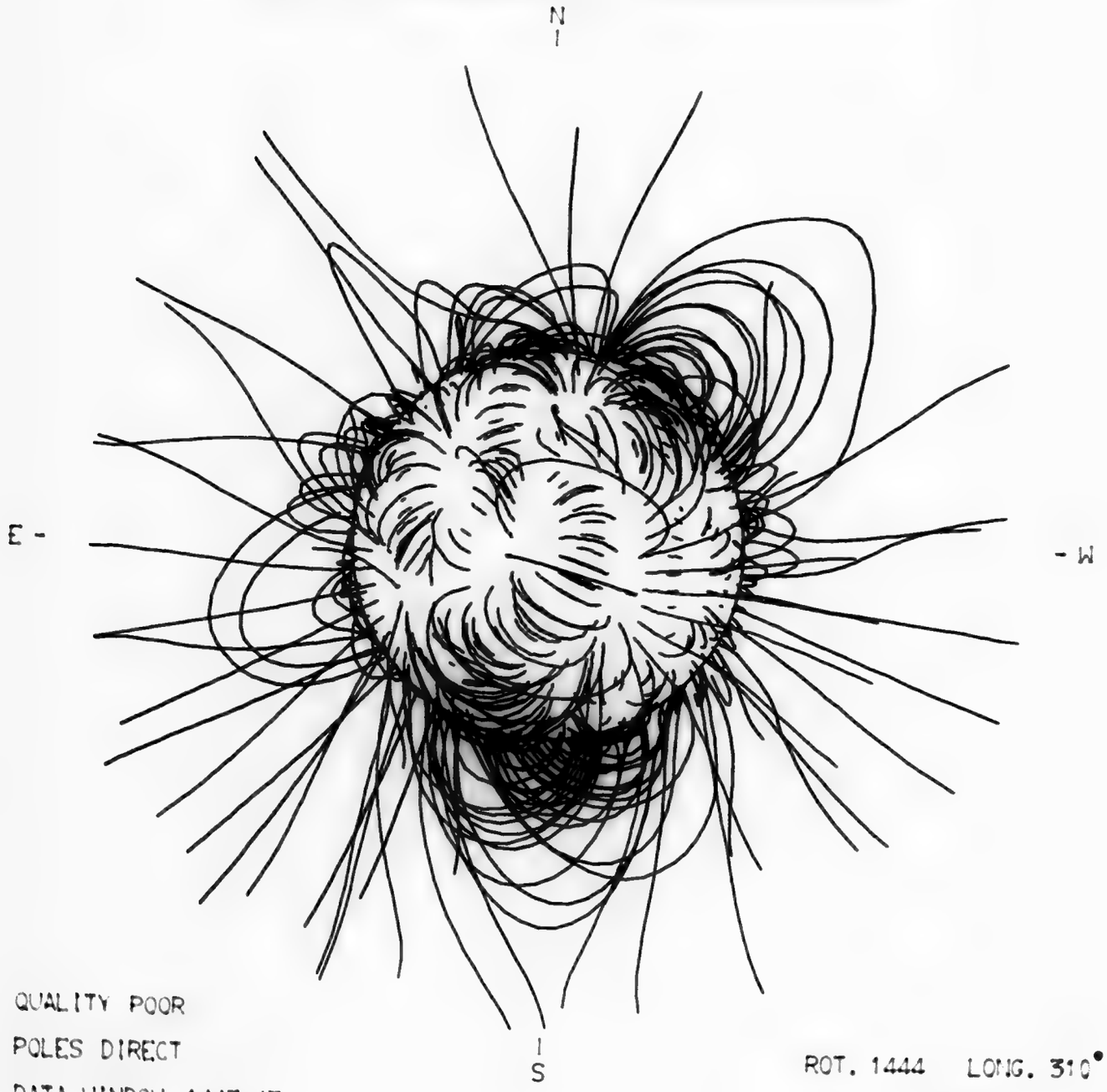
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1444 LONG. 320°

17.0 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

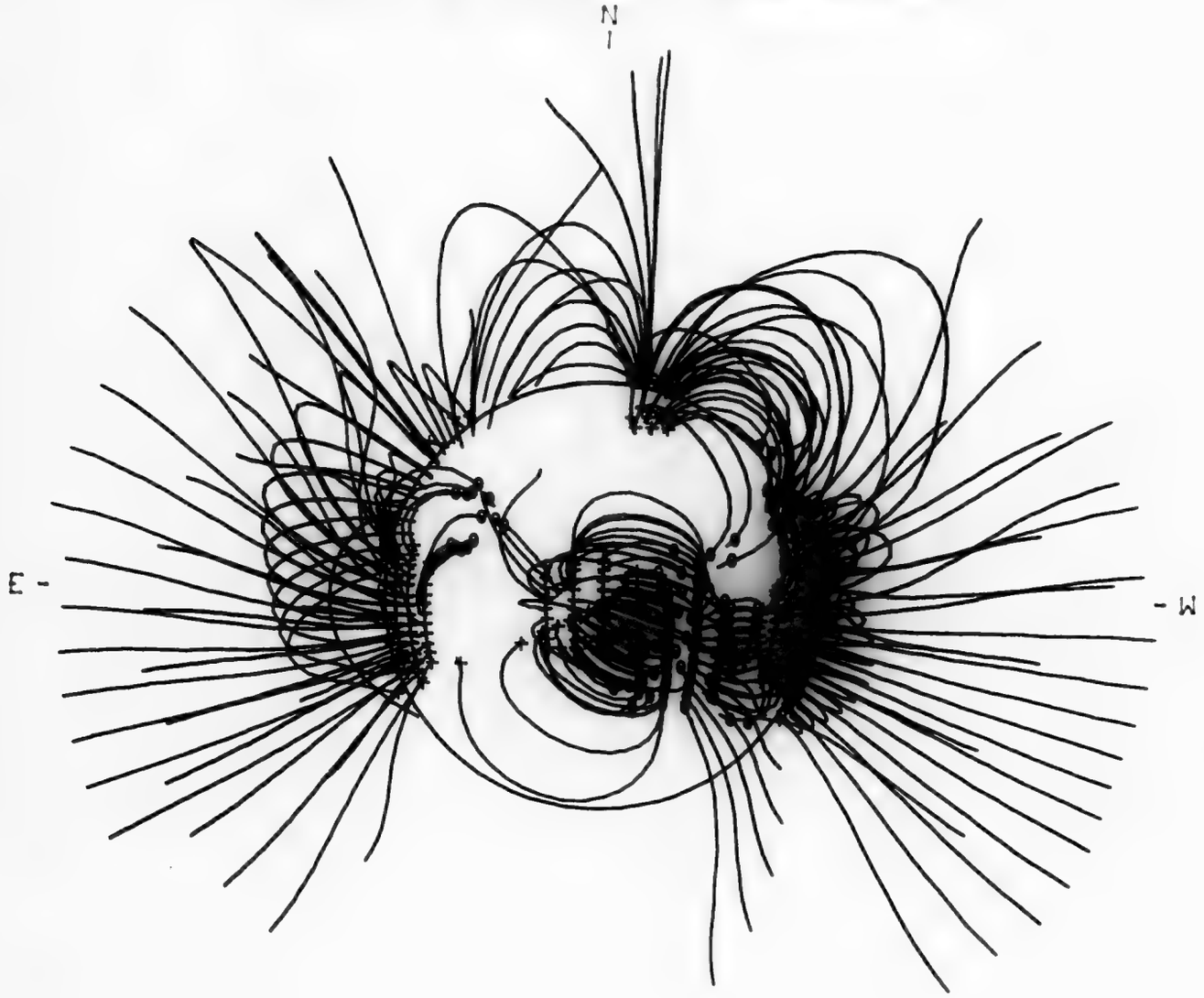
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1444 LONG. 310°

17.8 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

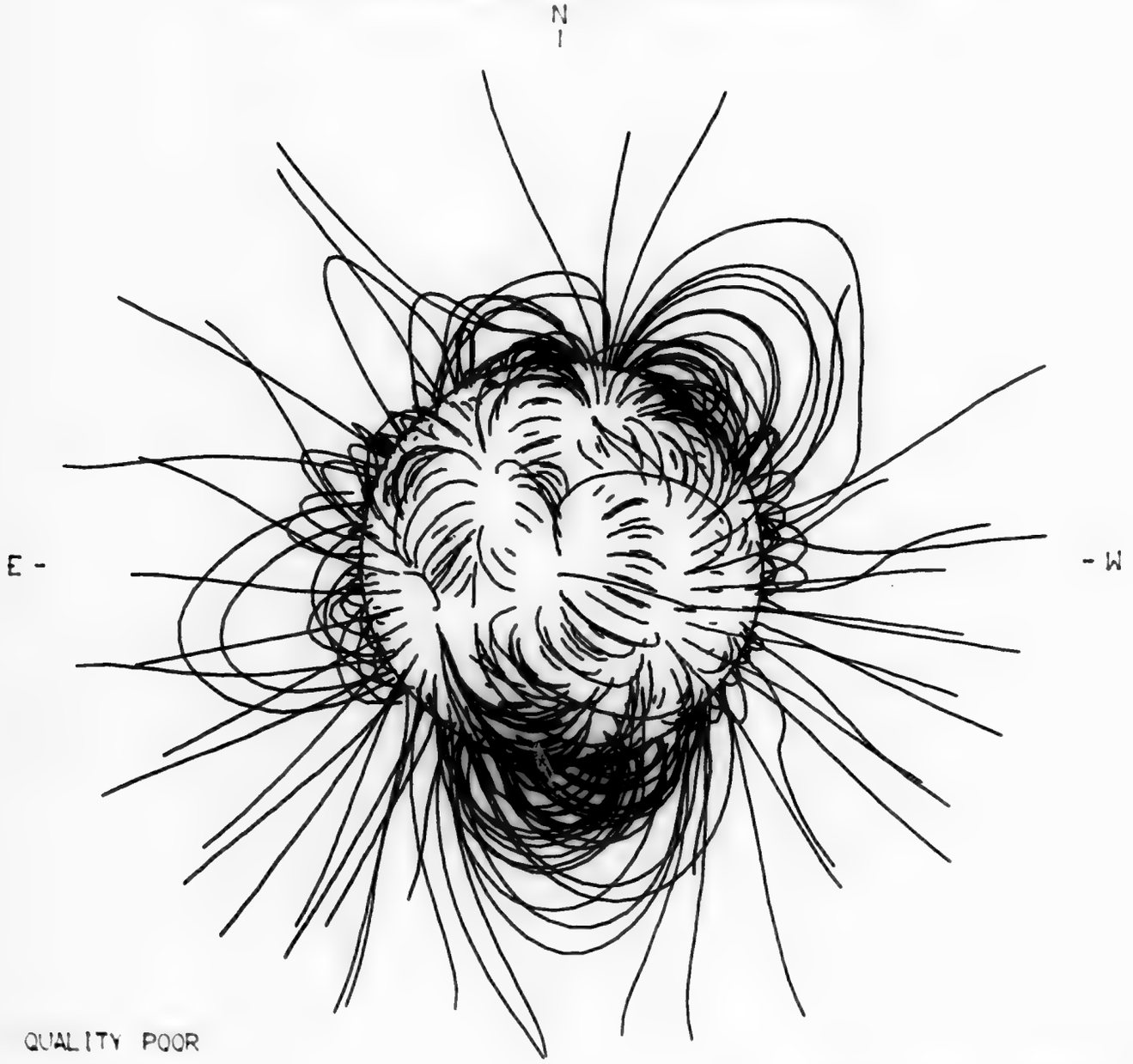
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1444 LONG. 310°

17.8 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

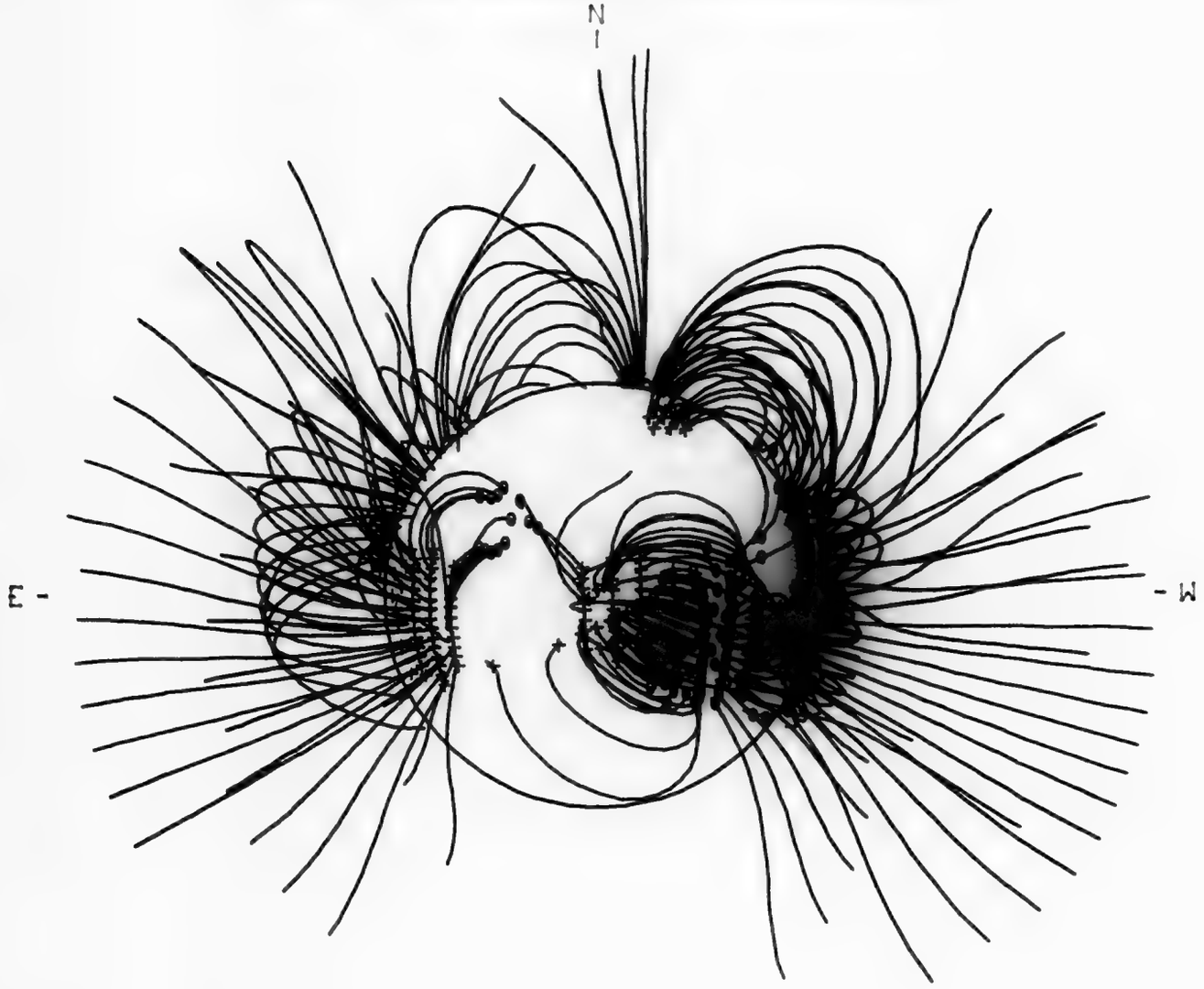
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1444 LONG. 300°

18.6 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

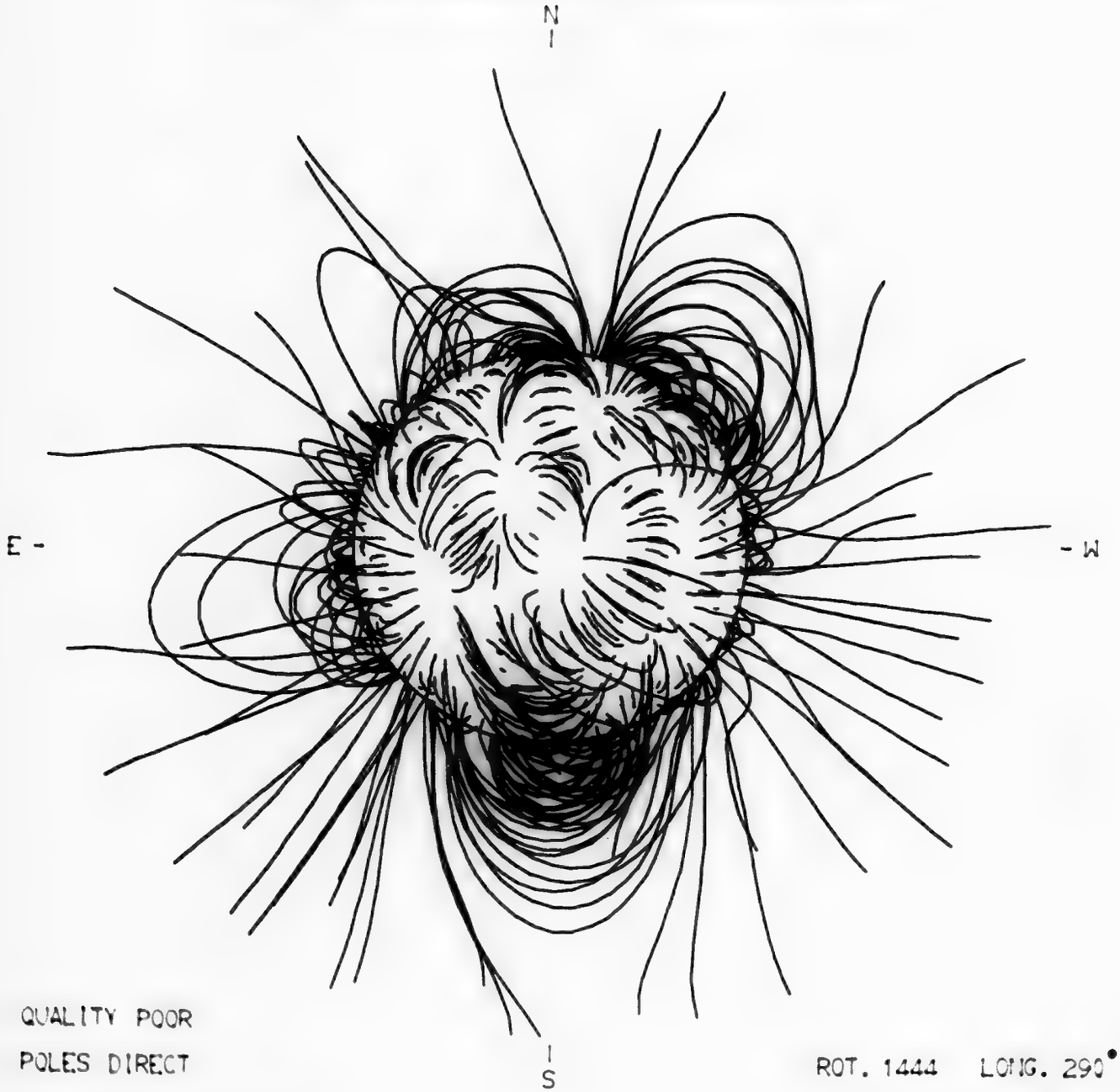
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1444 LONG. 300°

18.6 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

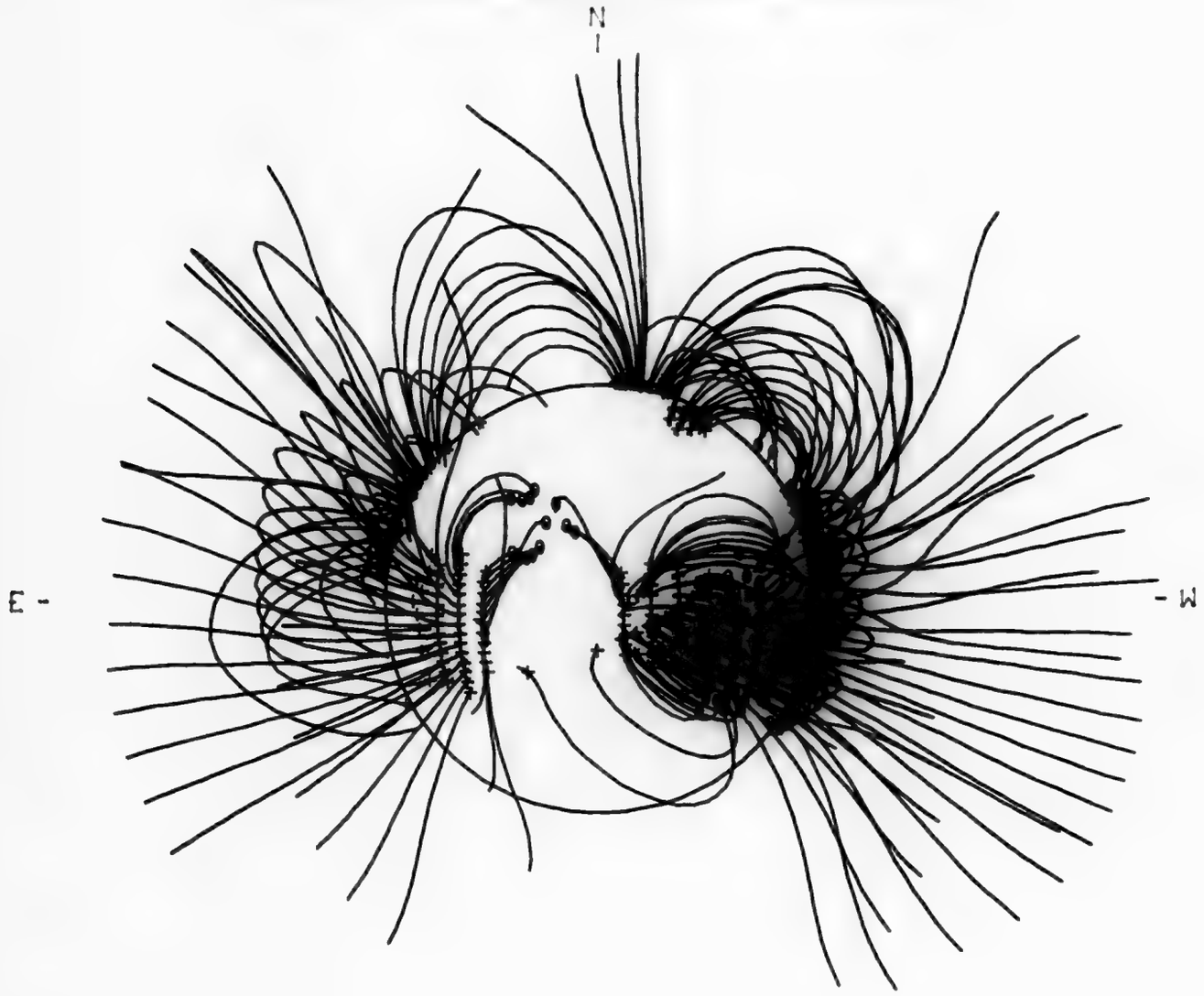
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1444 LONG. 290°

19.3 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

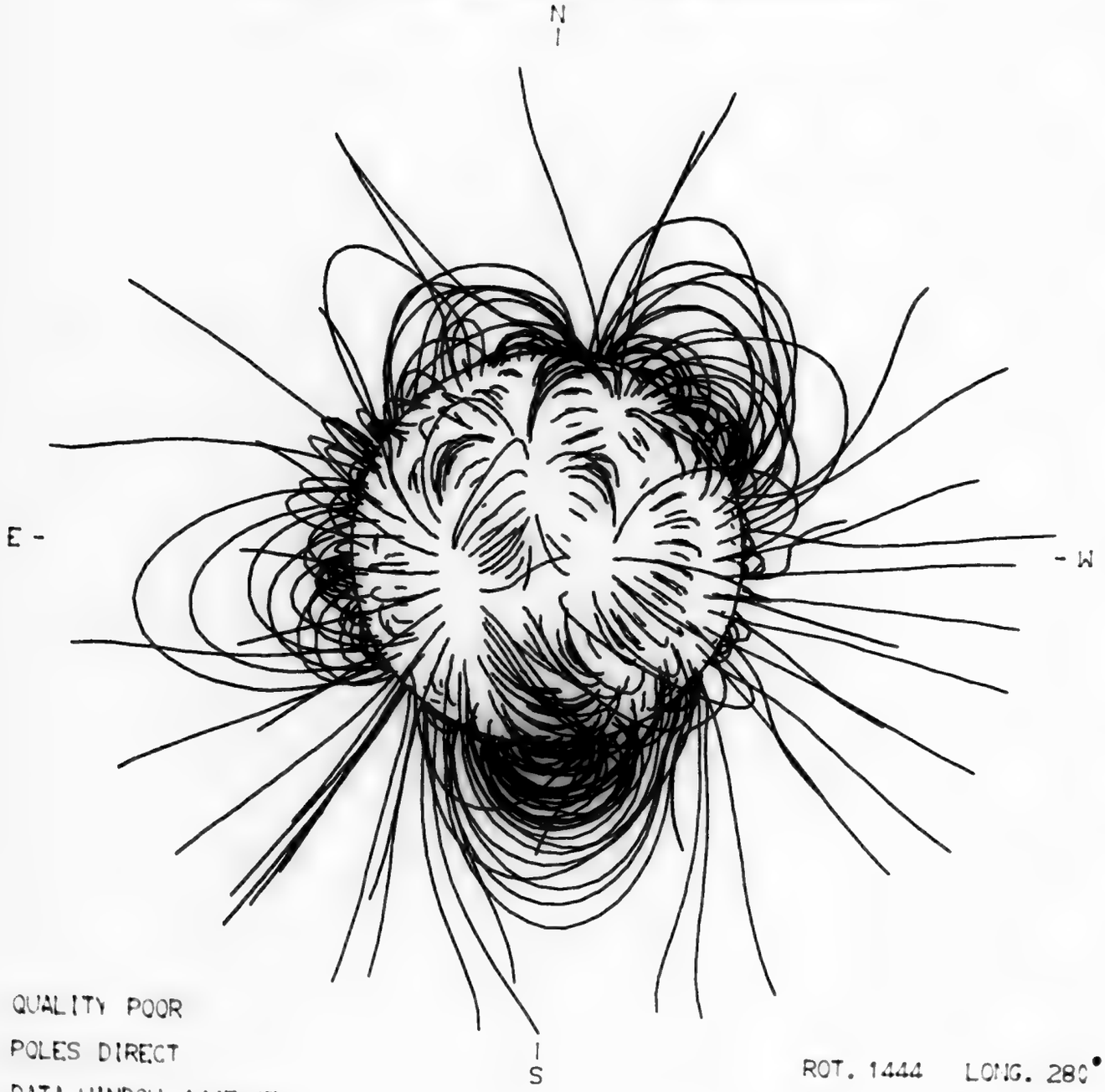
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1444 LONG. 290°

19.3 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

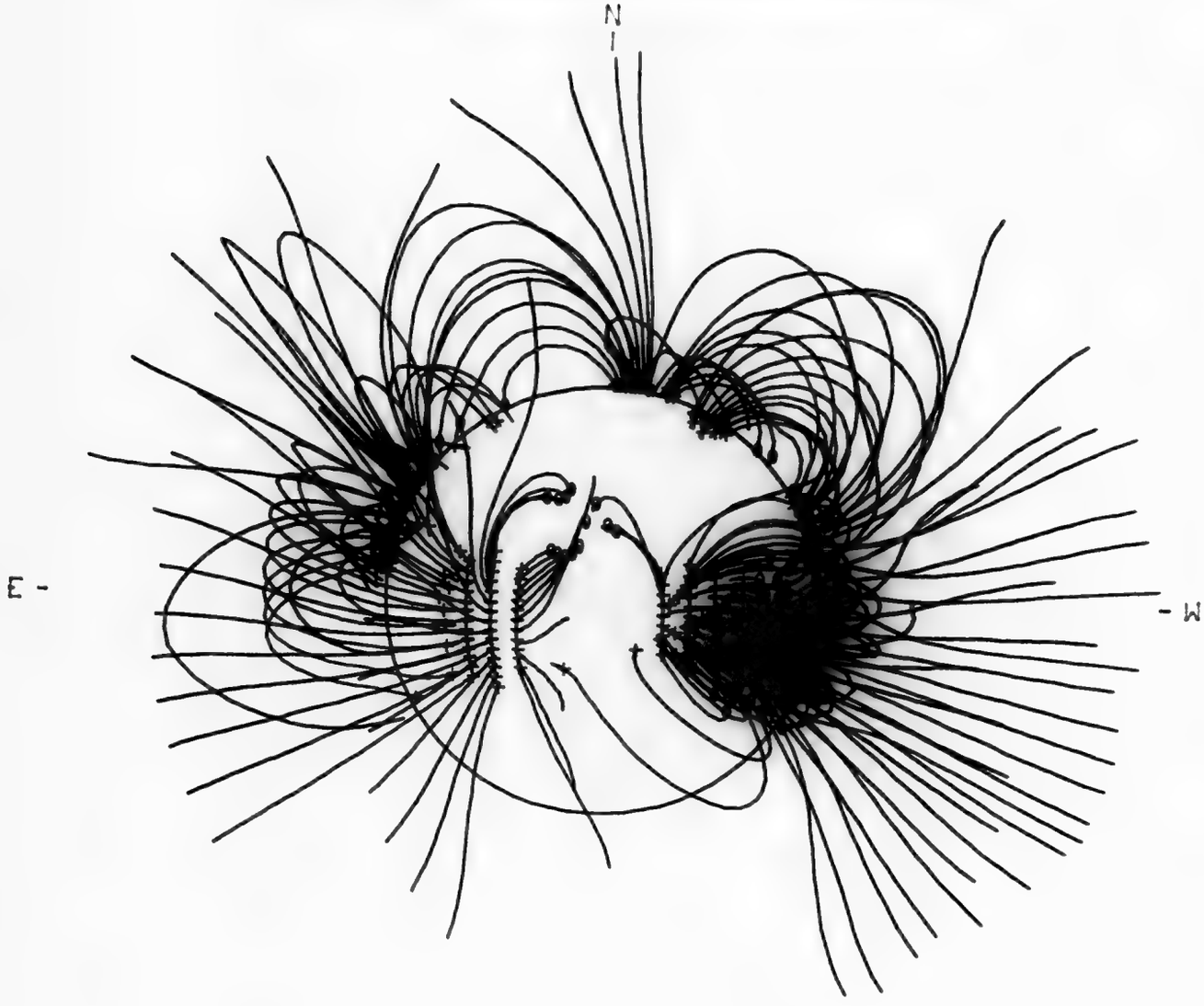
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1444 LONG. 280°

20.1 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

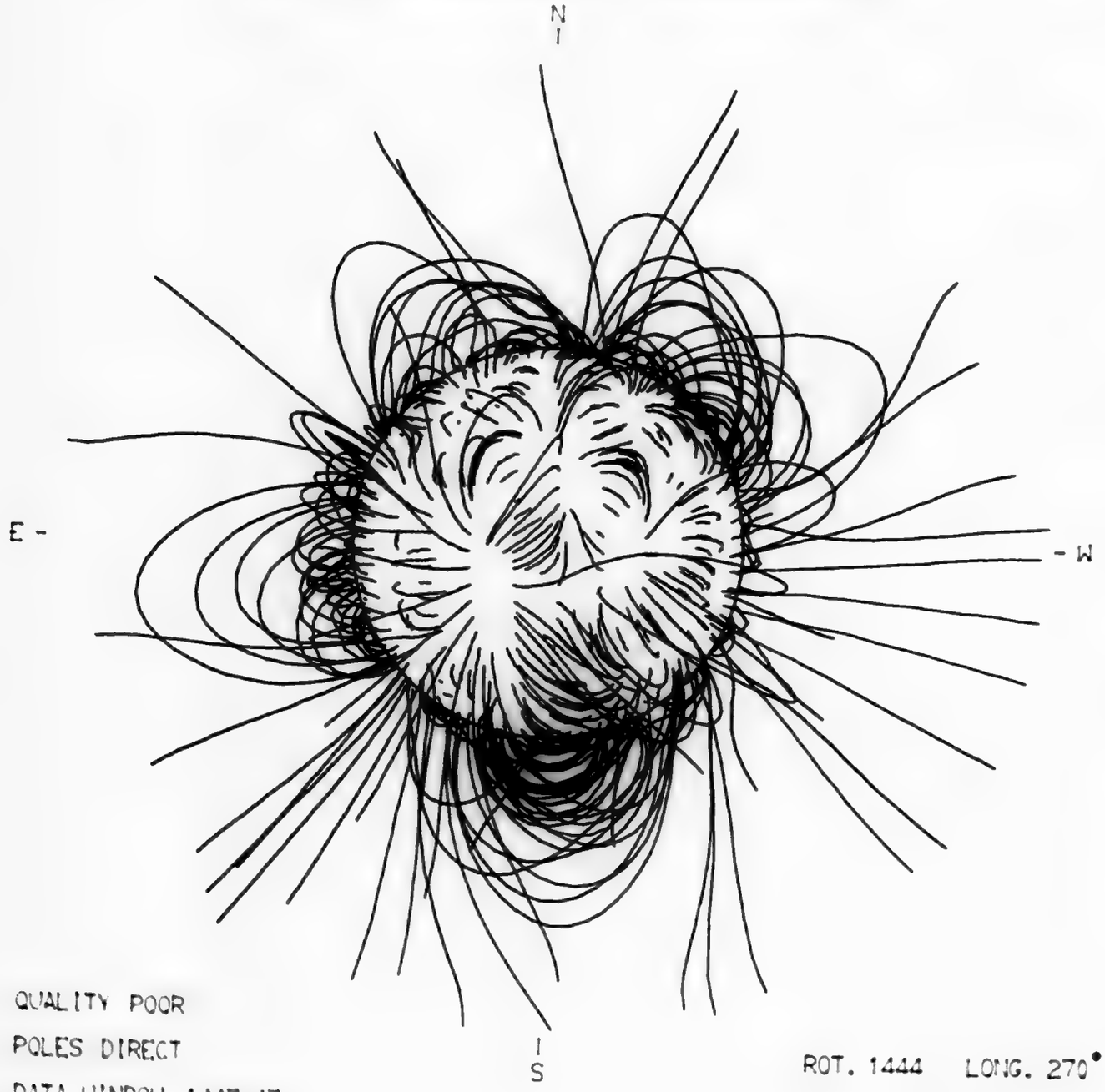
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1444 LONG. 280°

20.1 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

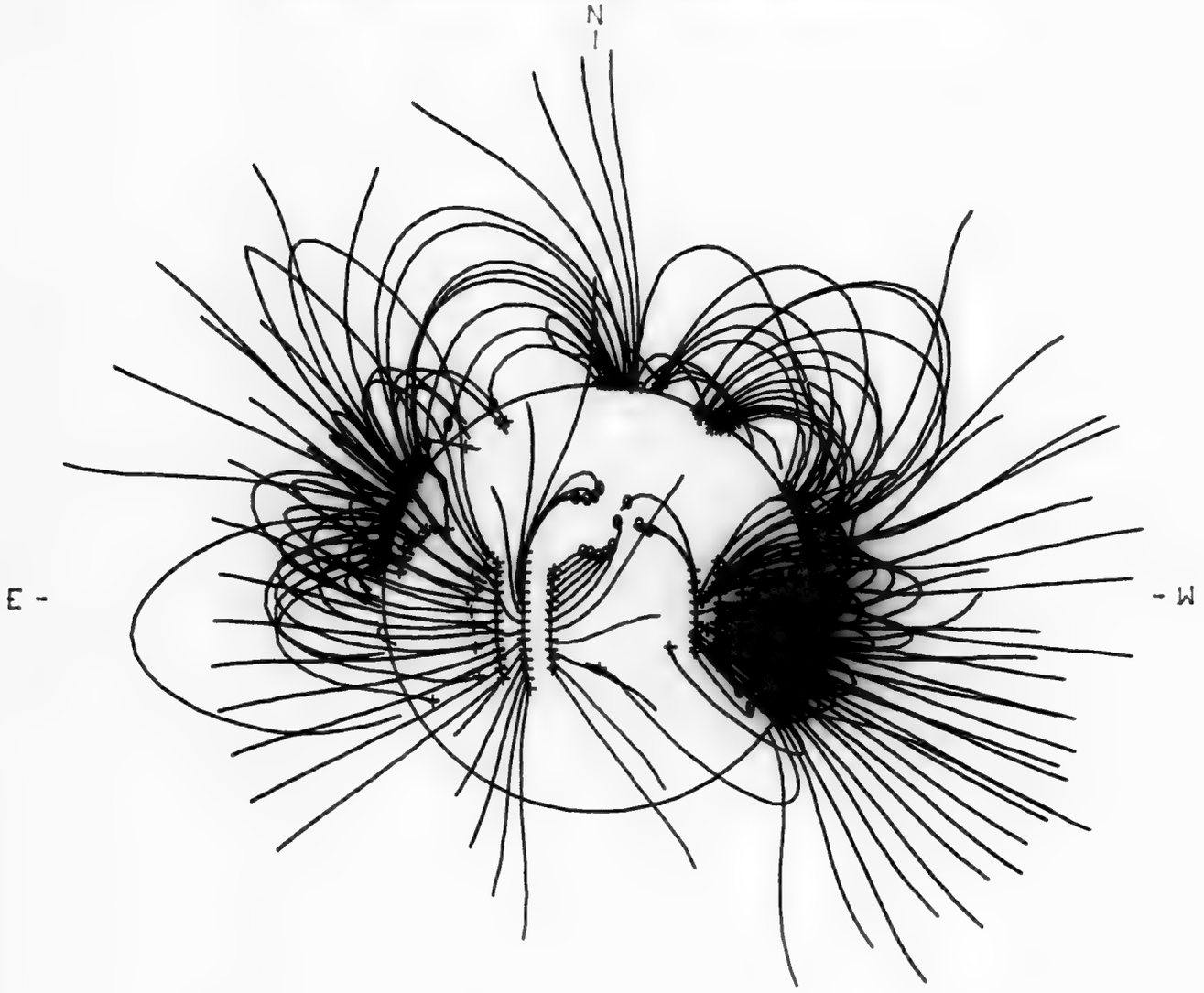
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1444 LONG. 270°

20.8 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

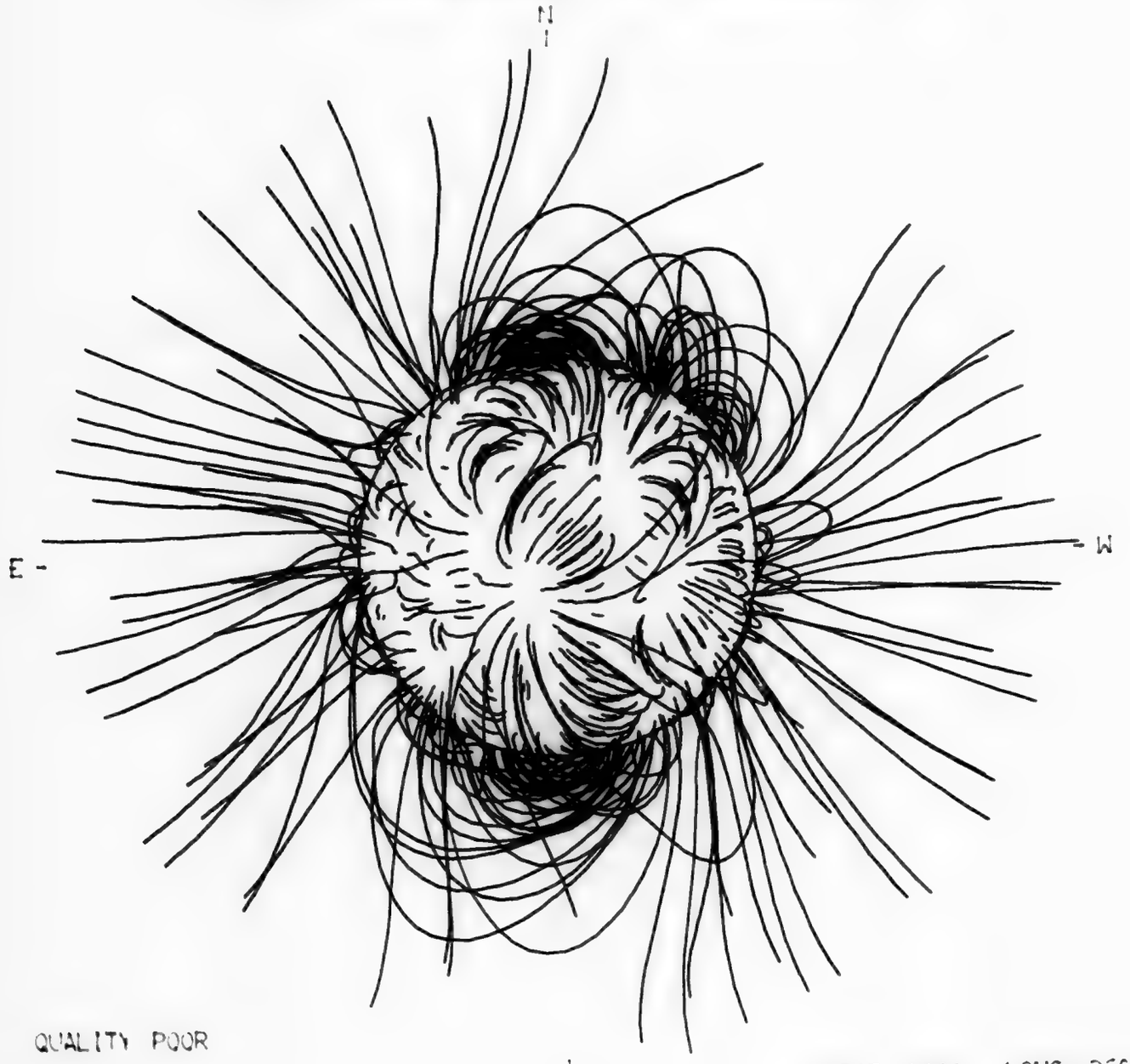
POLES DIRECT

DATA WINDOW 1443.47

ROT. 1444 LONG. 270°

20.8 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

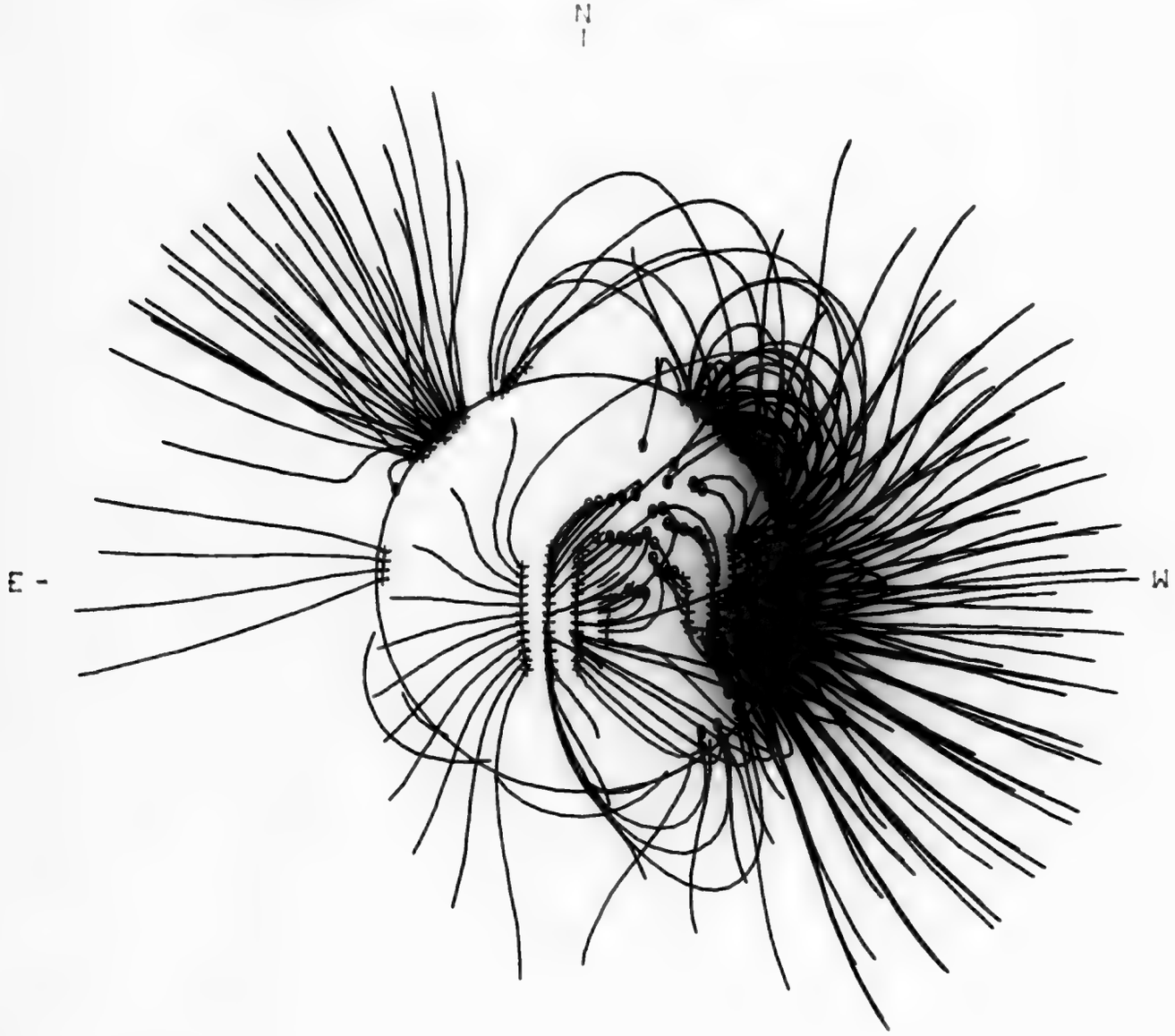
POLES DIRECT

DATA WINDOW 1.111.00

ROT. 1444 LONG. 260°

21.6 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

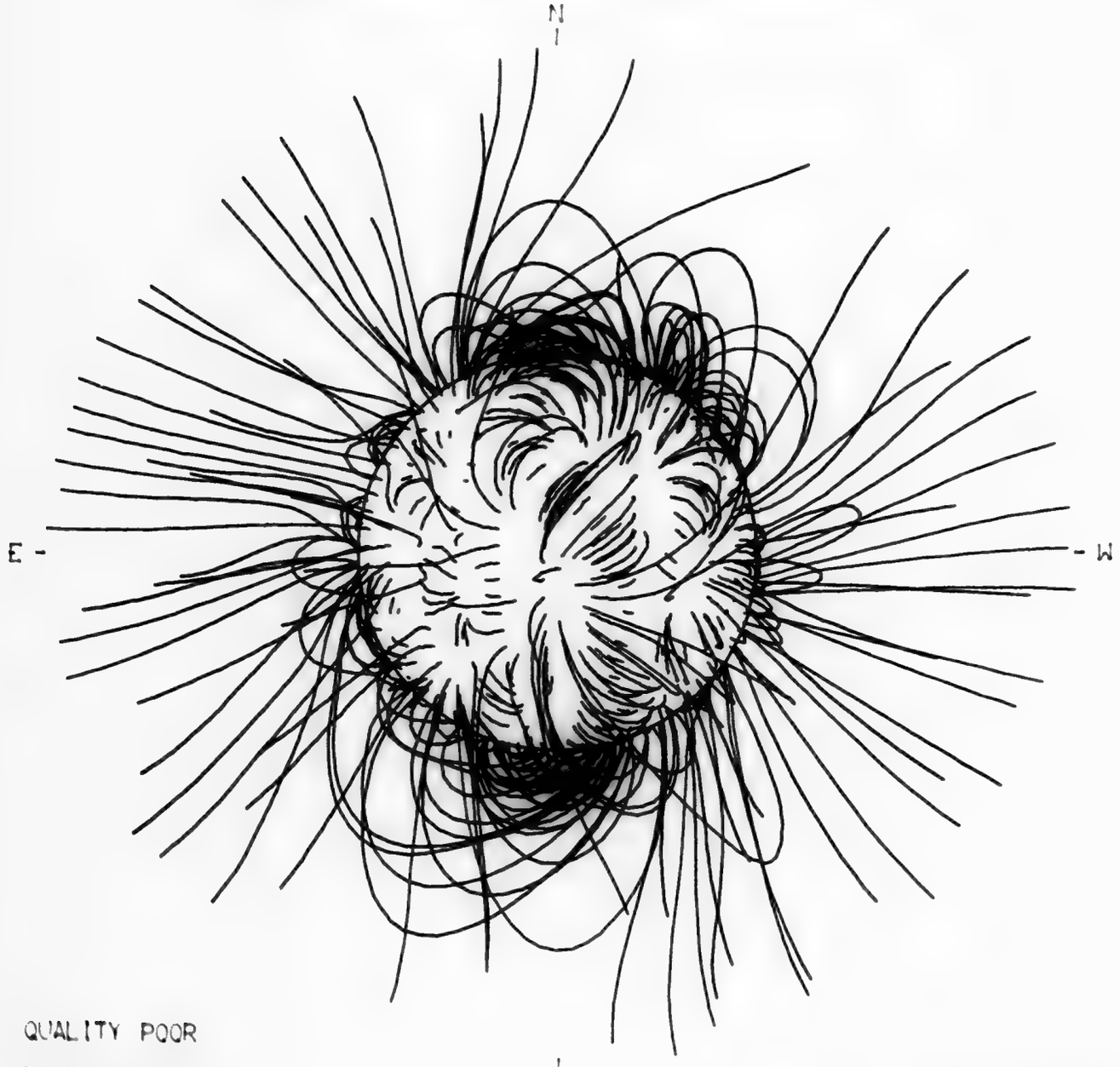
POLES DIRECT

DATA WINDOW 1444.00

ROT. 1444 LONG. 260°

21.6 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

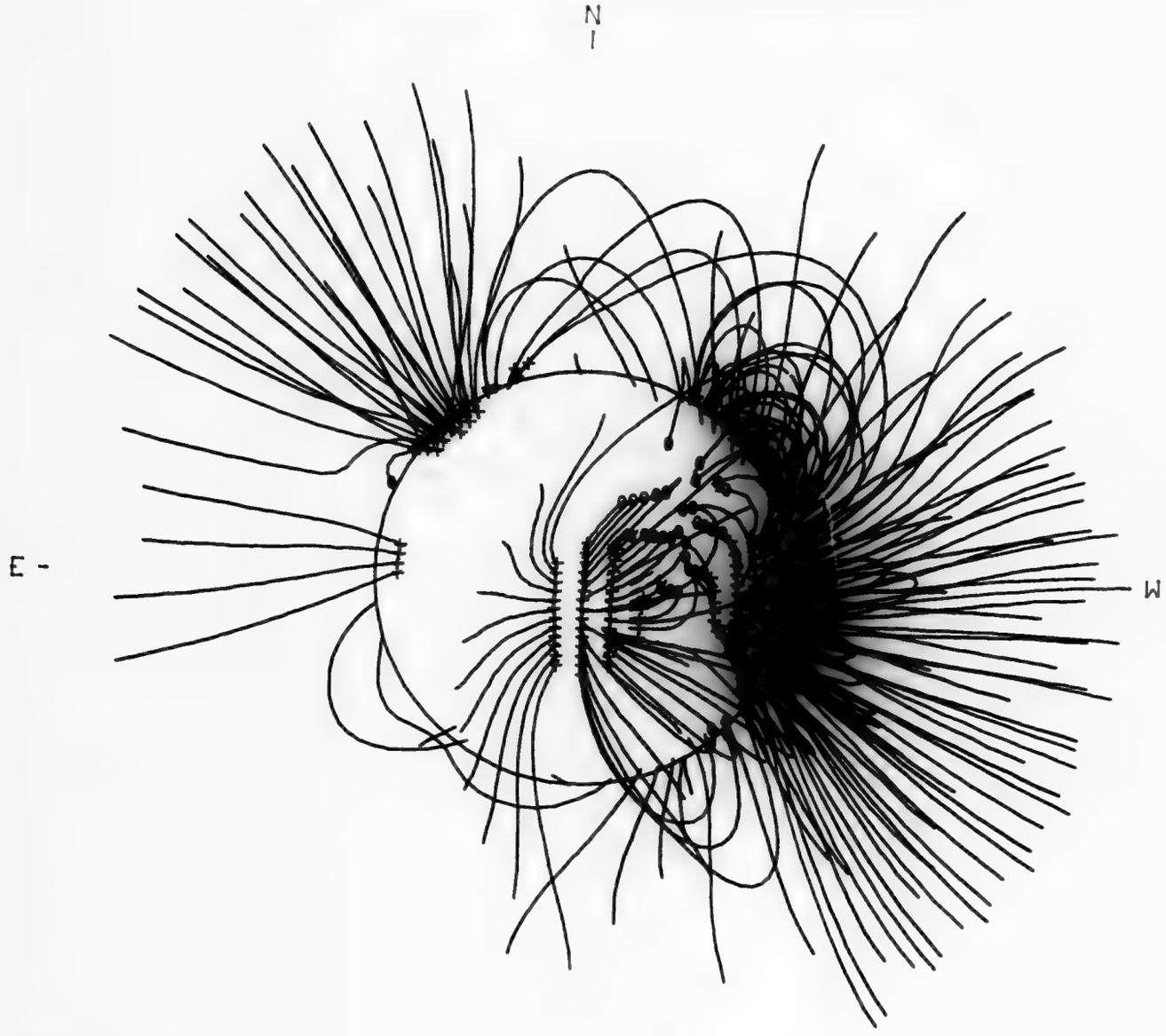
POLES DIRECT

DATA WINDOW 1444. 0

ROT. 1444 LONG. 250°

22.3 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

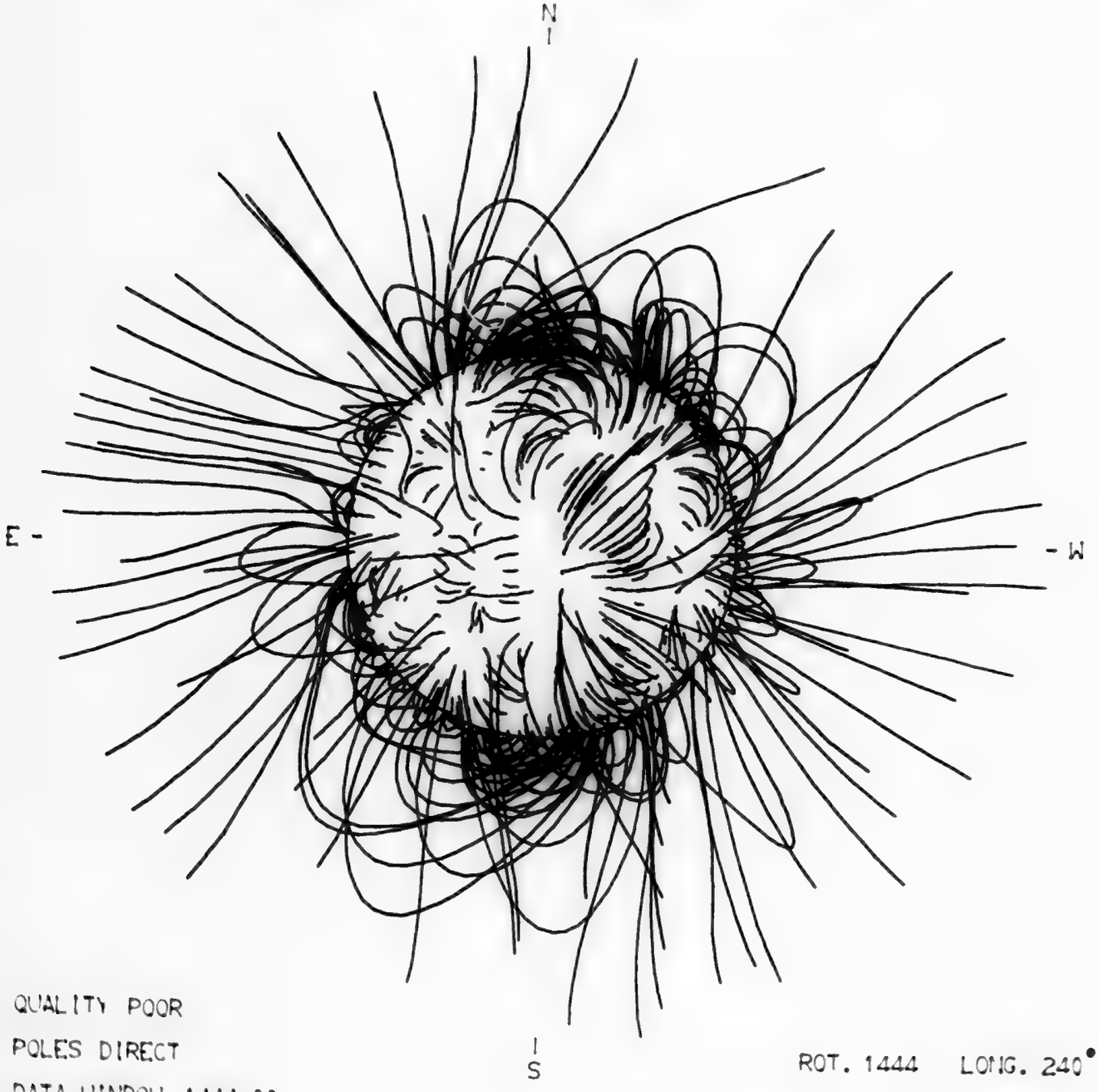
POLES DIRECT

DATA WINDOW 1444.00

ROT. 1444 LONG. 250°

22.3 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

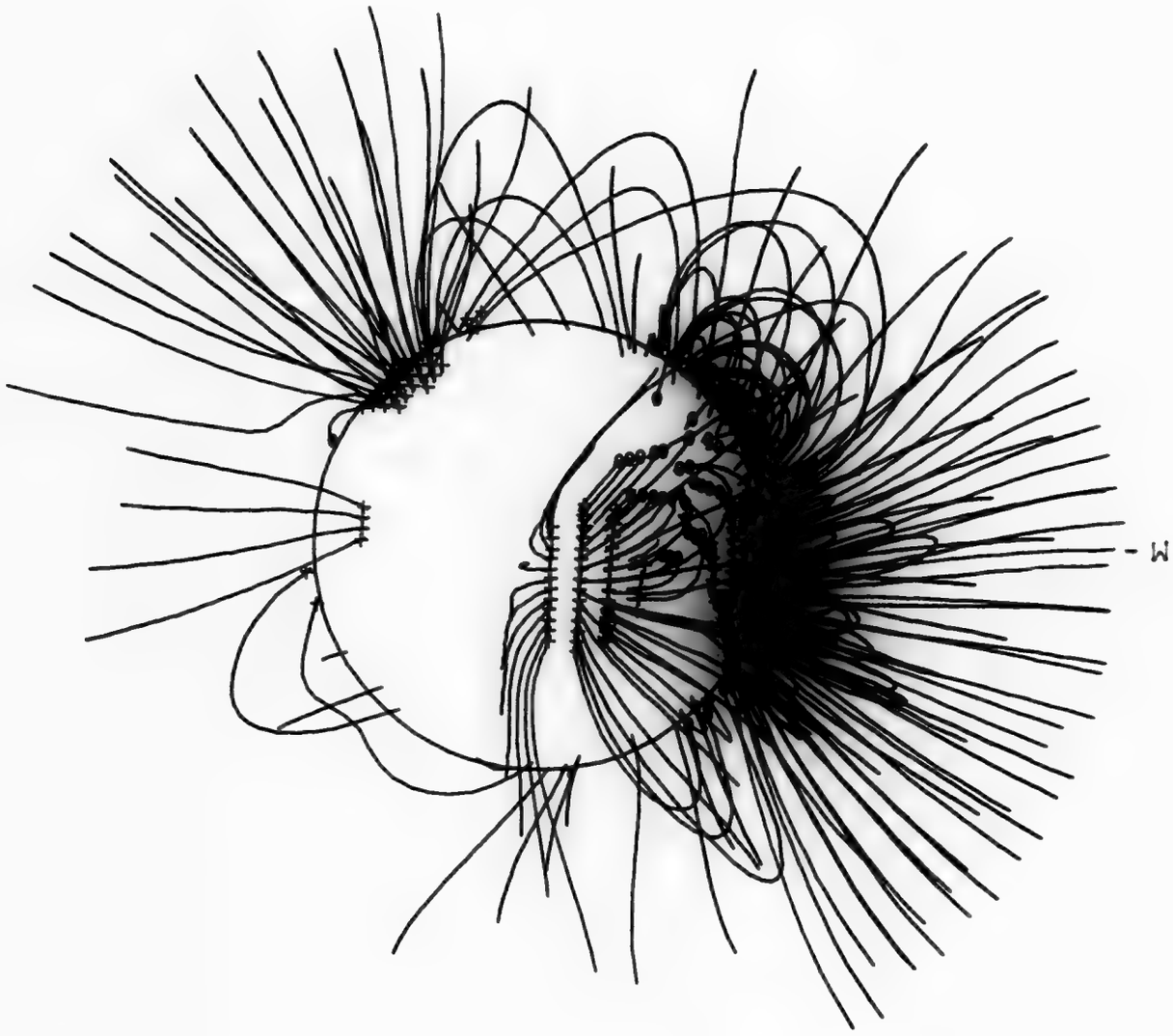
DATA WINDOW 1444.00

ROT. 1444 LONG. 240°

23.1 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

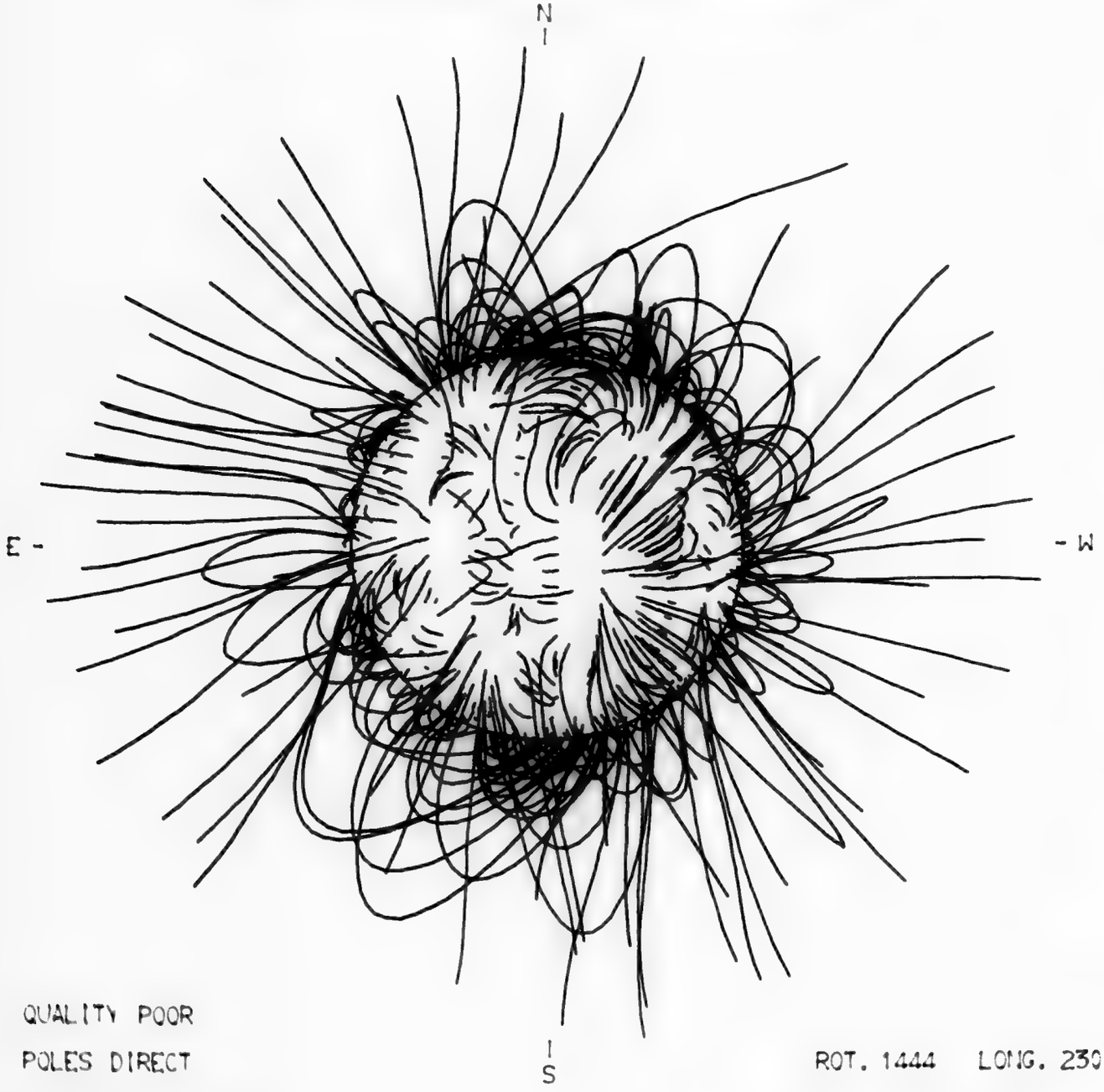
POLES DIRECT

DATA WINDOW 1444.00

ROT. 1444 LONG. 240°

23.1 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

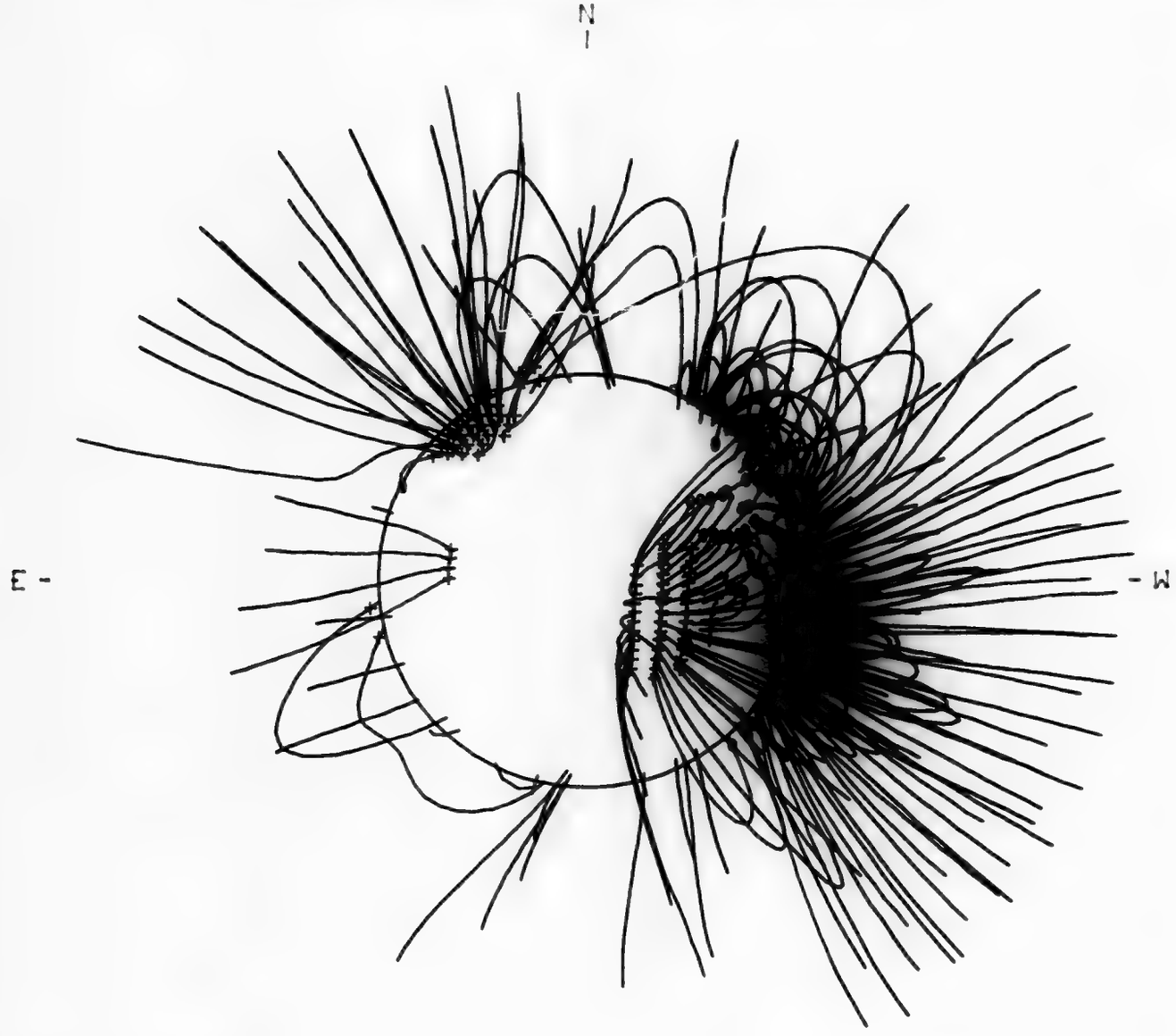
POLES DIRECT

DATA WINDOW 1444.00

ROT. 1444 LONG. 230°

23.8 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

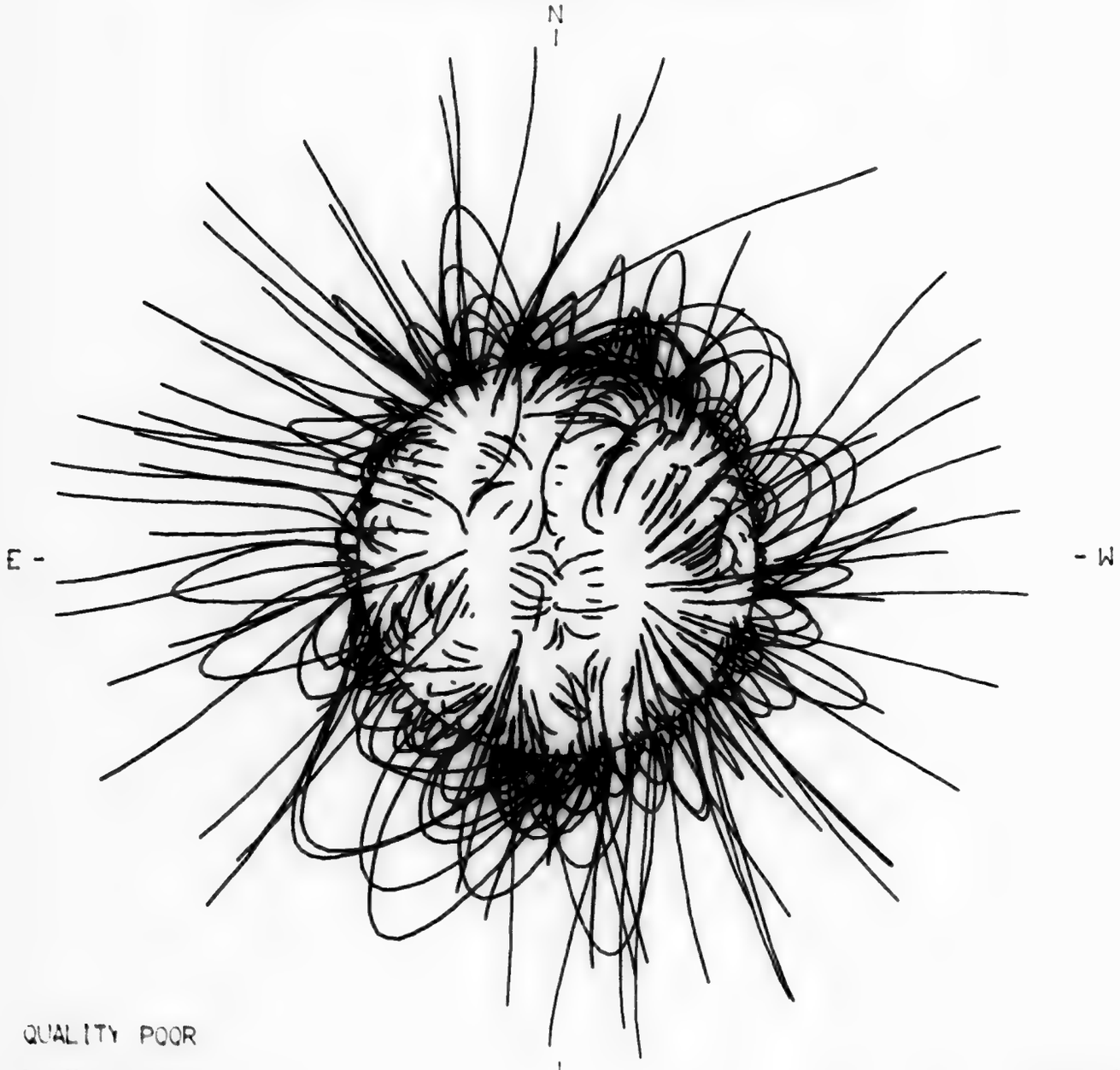
POLES DIRECT

DATA WINDOW 1444.00

ROT. 1444 LONG. 230°

23.8 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

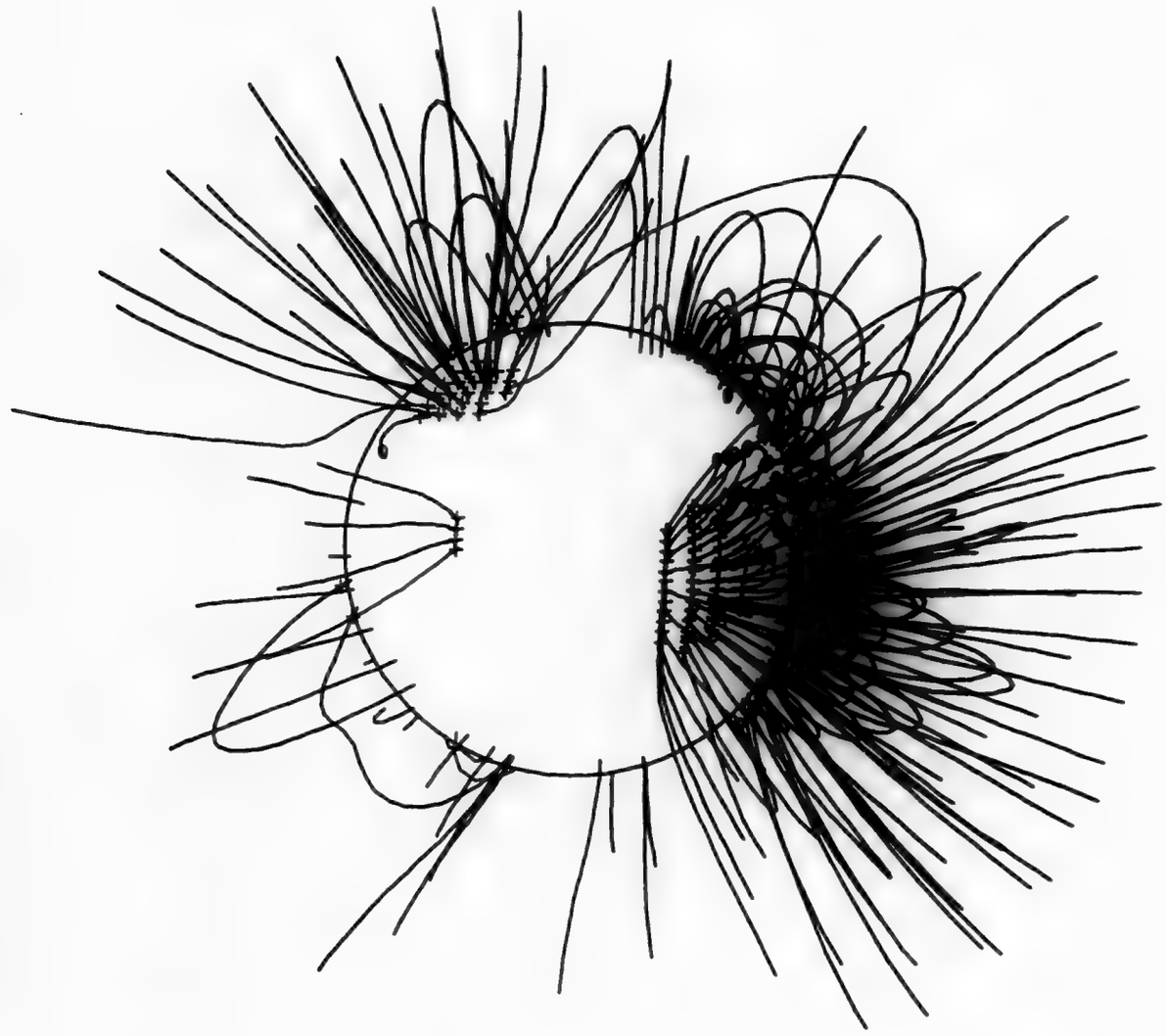
DATA WINDOW 1444.00

ROT. 1444 LONG. 220°

24.6 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

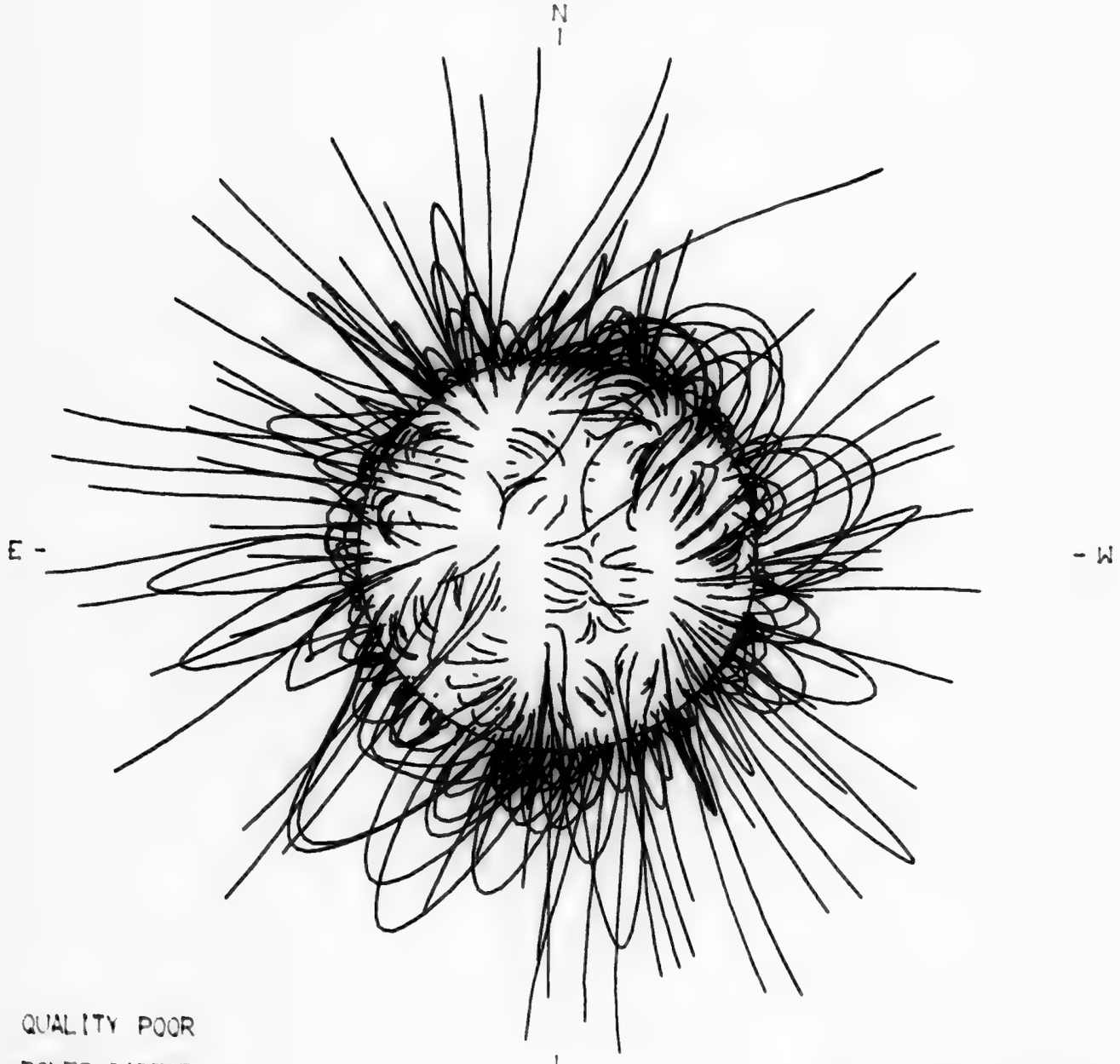
POLES DIRECT

DATA WINDOW 1.111.00

ROT. 1444 LONG. 220°

24.6 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1444.00

ROT. 1444 LONG. 210°

25.3 AUG 1961

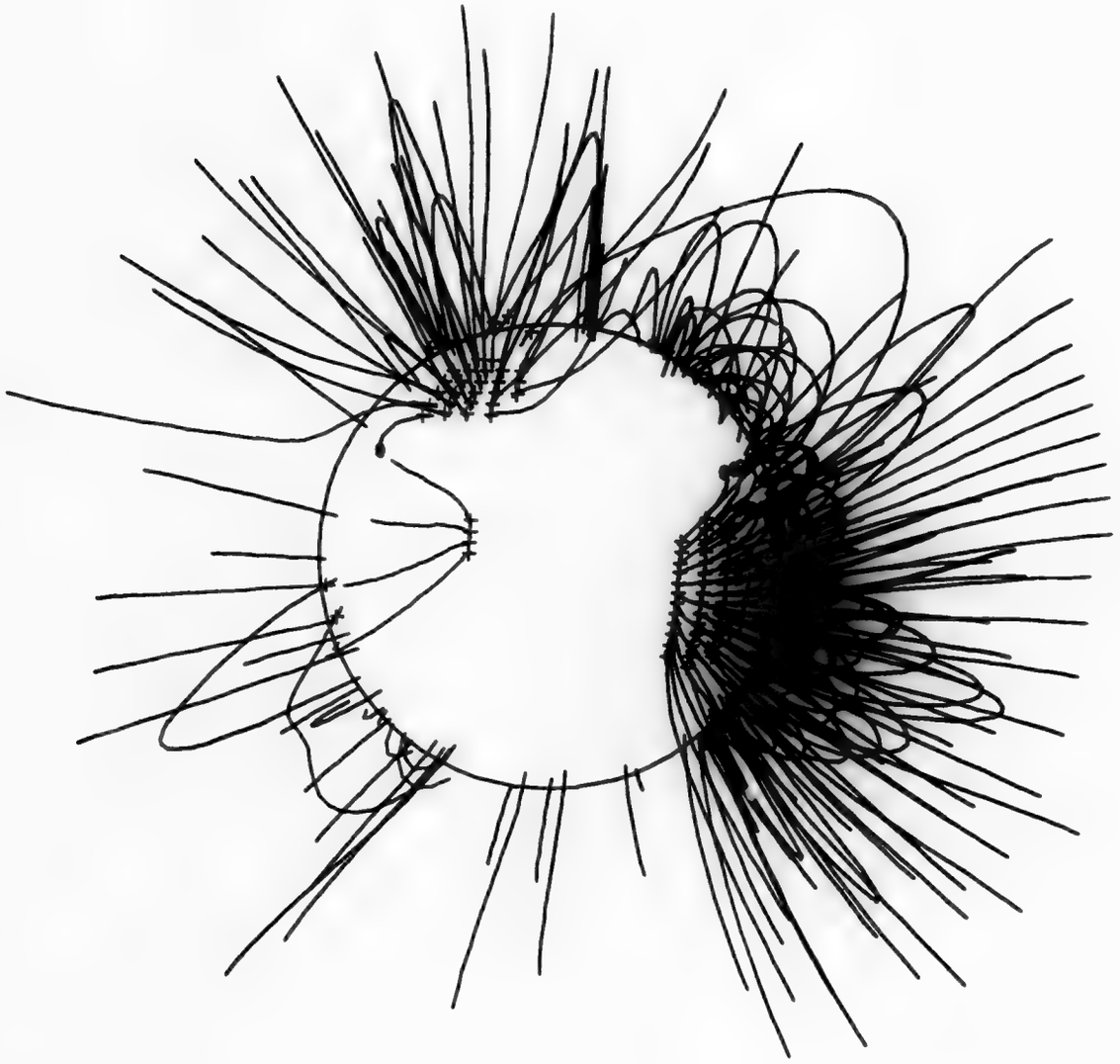
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

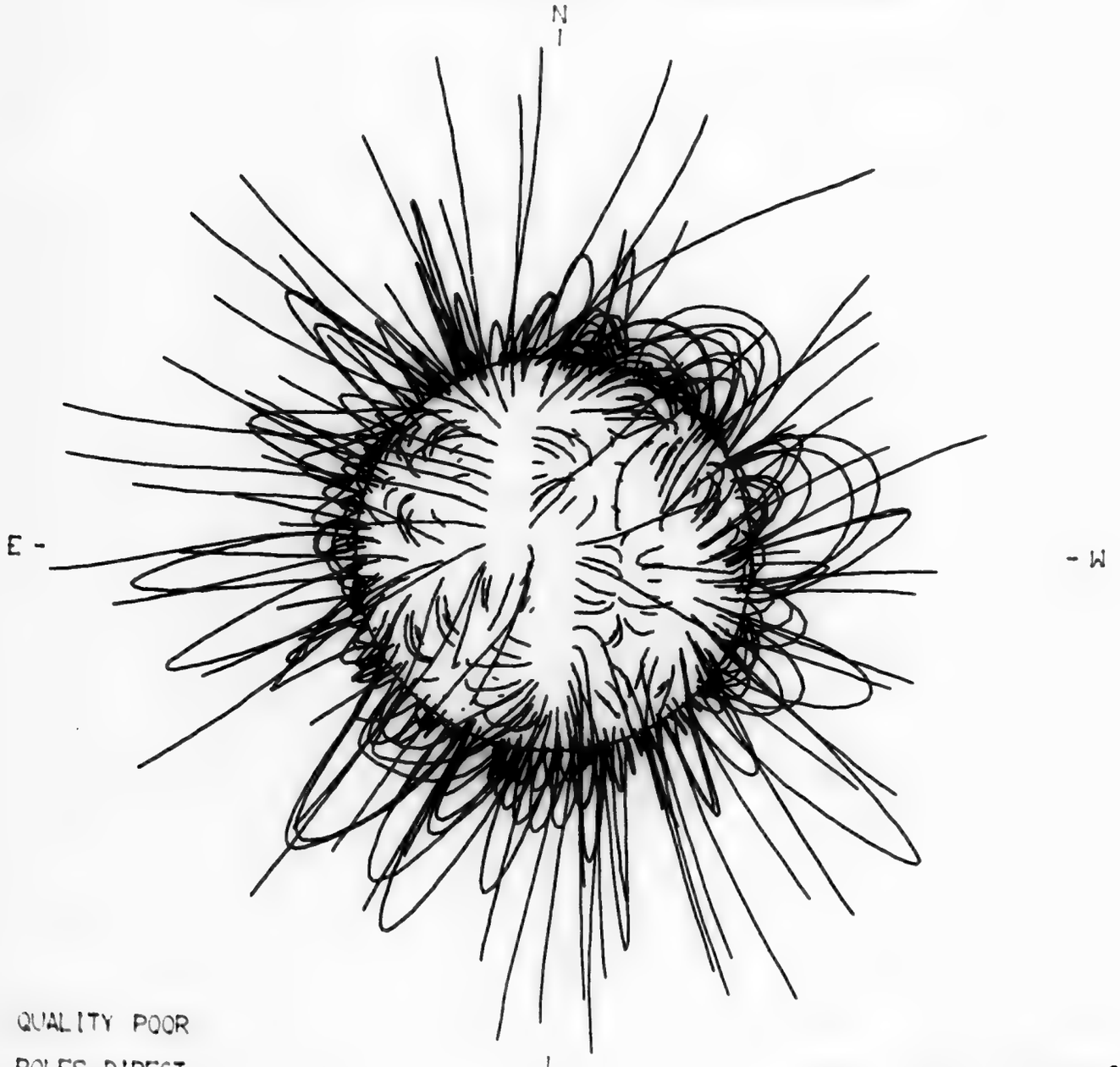
POLES DIRECT

DATA WINDOW 1.111.00

ROT. 1444 LONG. 210°

25.3 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

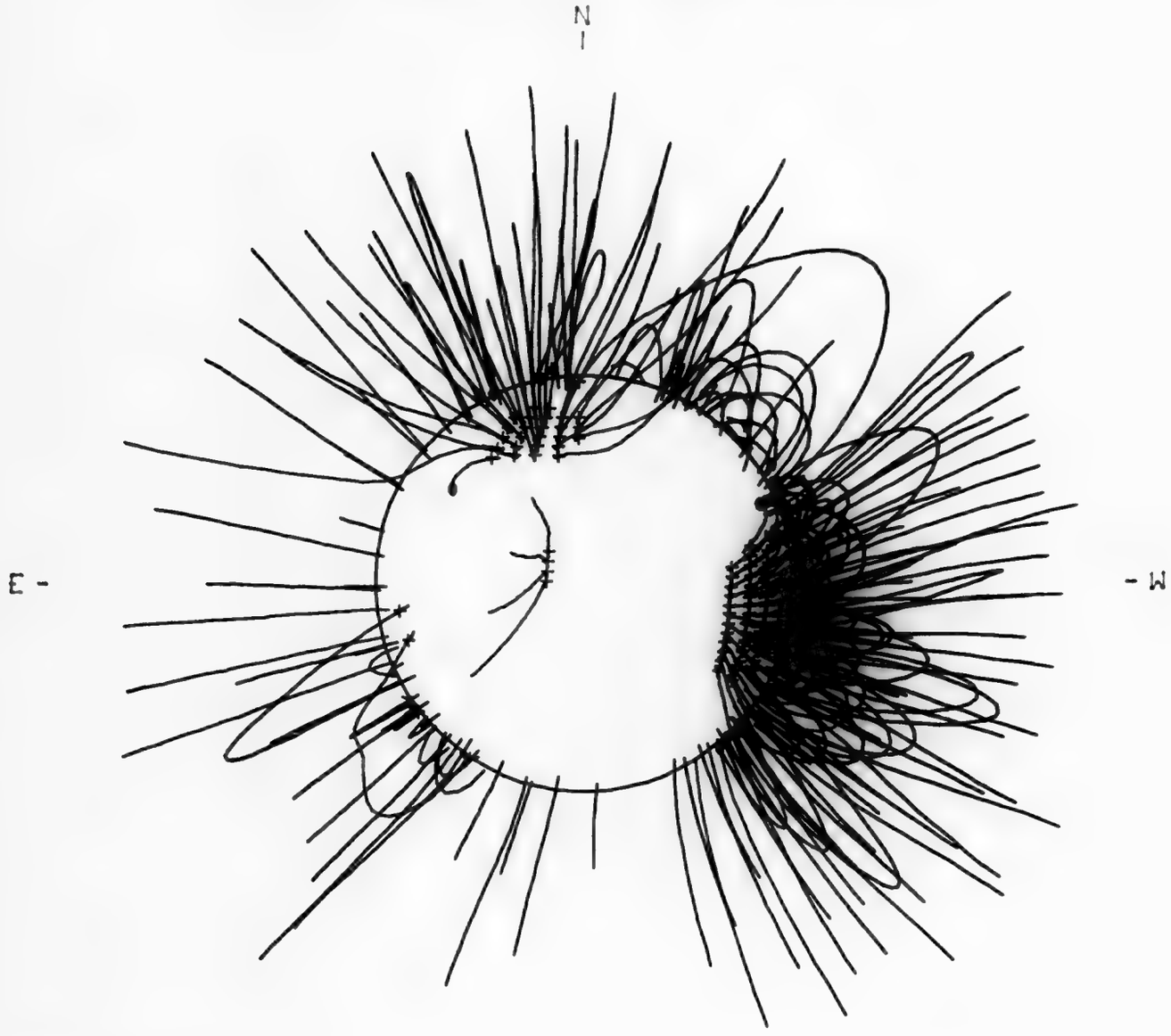
POLES DIRECT

DATA WINDOW 1444.00

ROT. 1444 LONG. 200°

26.1 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

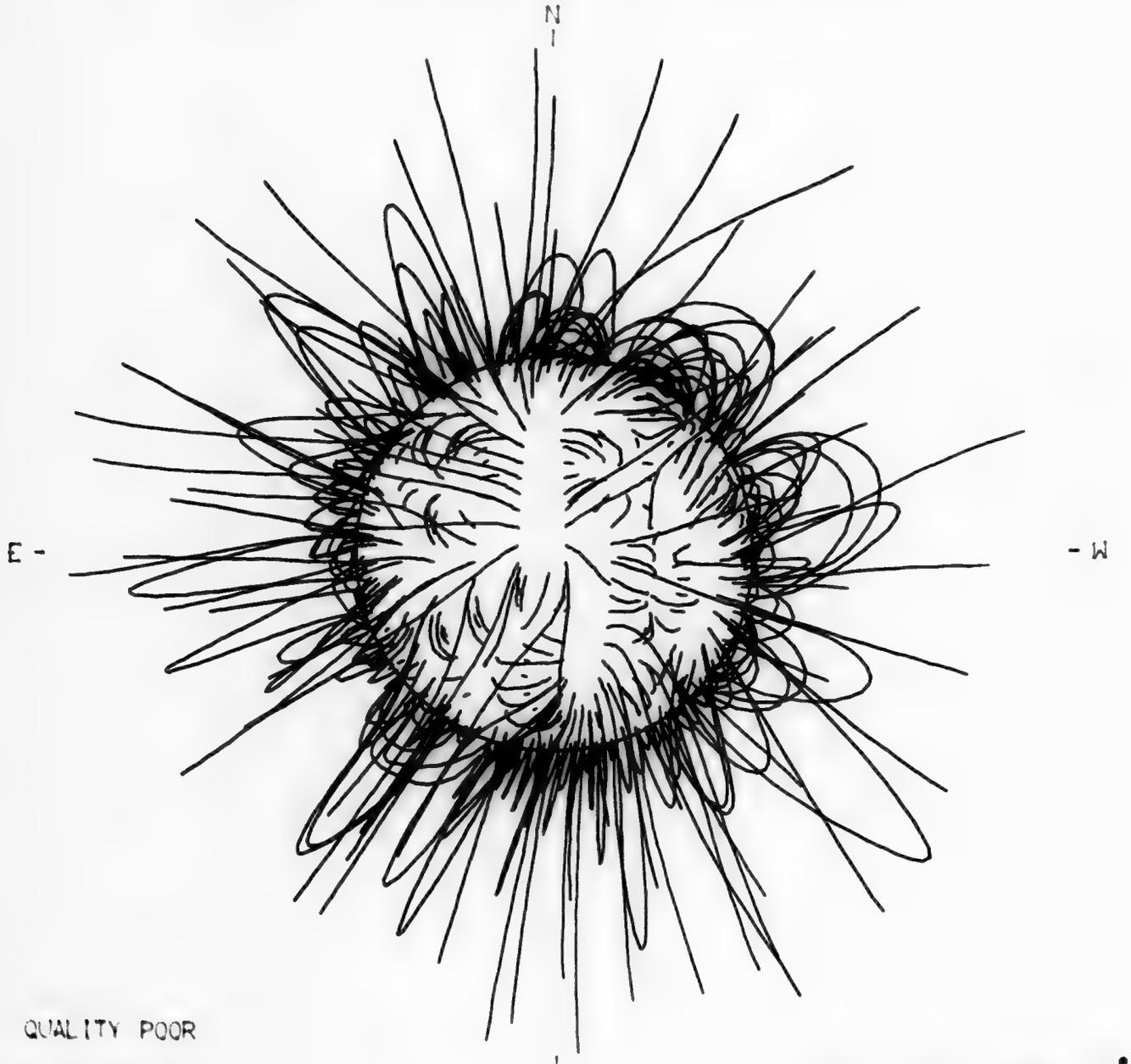
POLES DIRECT

DATA WINDOW 1444.00

ROT. 1444 LONG. 200°

26.1 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

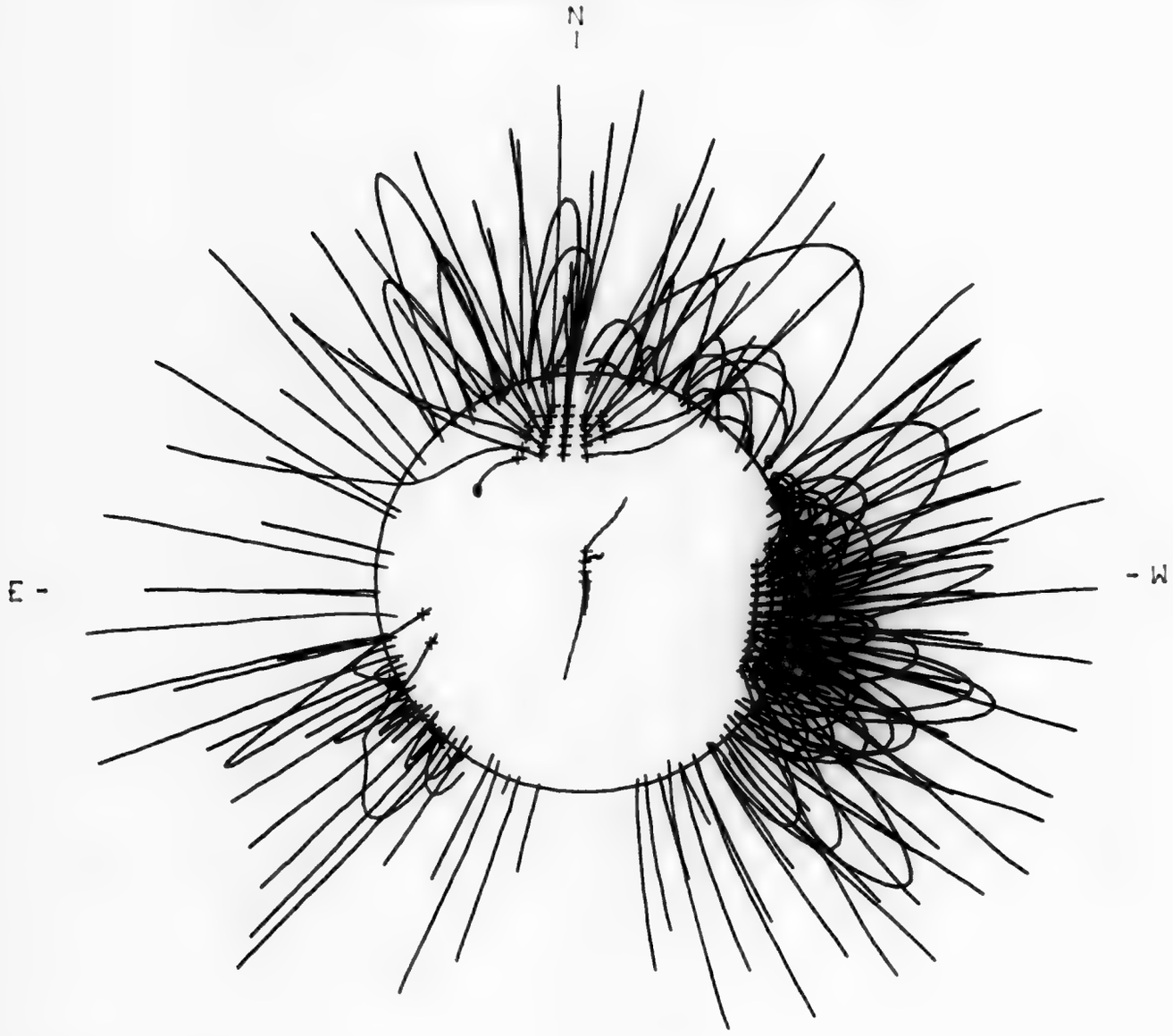
POLES DIRECT

DATA WINDOW 1444.00

ROT. 1444 LONG. 190°

26.9 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

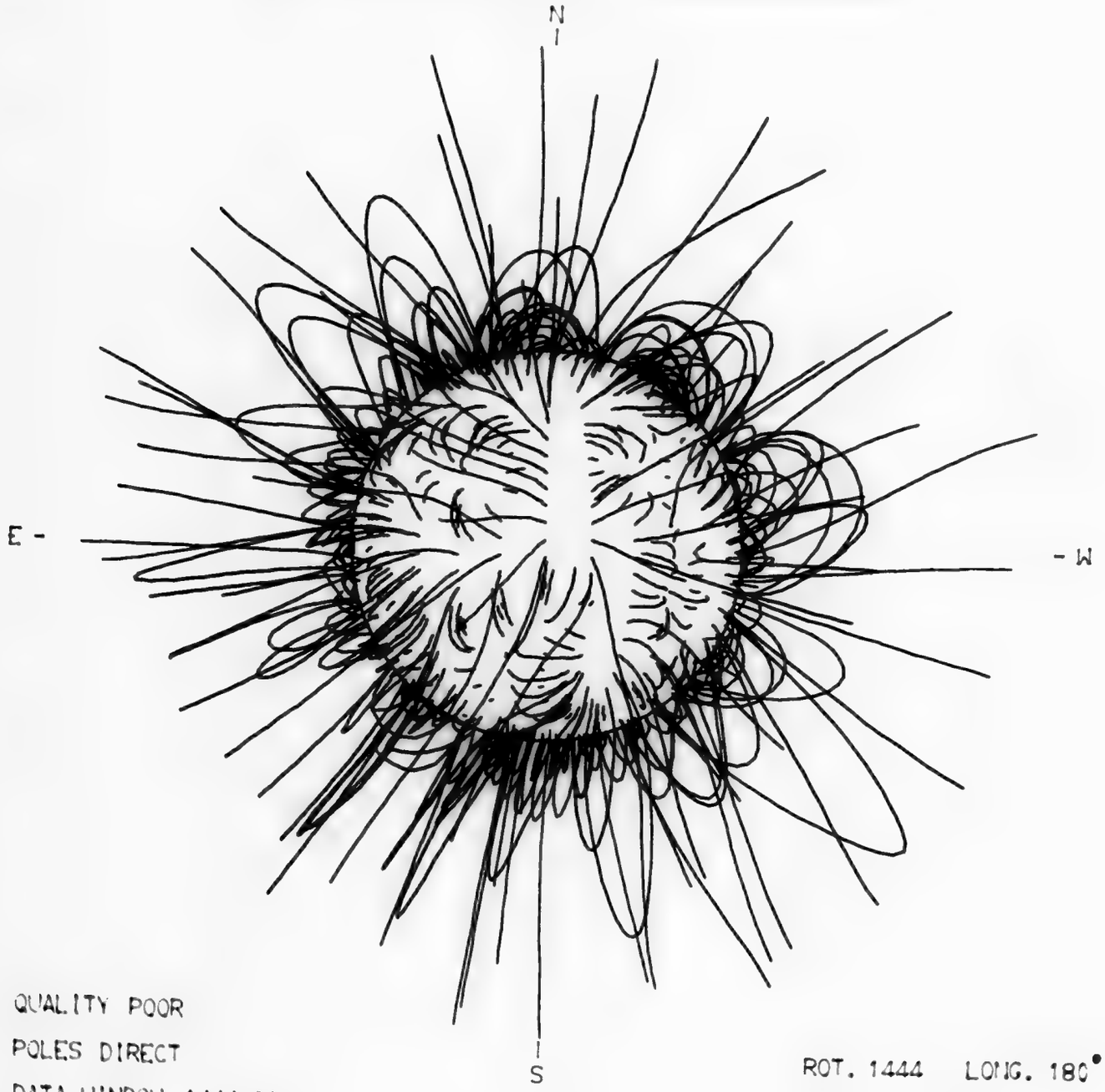
POLES DIRECT

DATA WINDOW 1.111.00

ROT. 1444 LONG. 190°

26.9 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

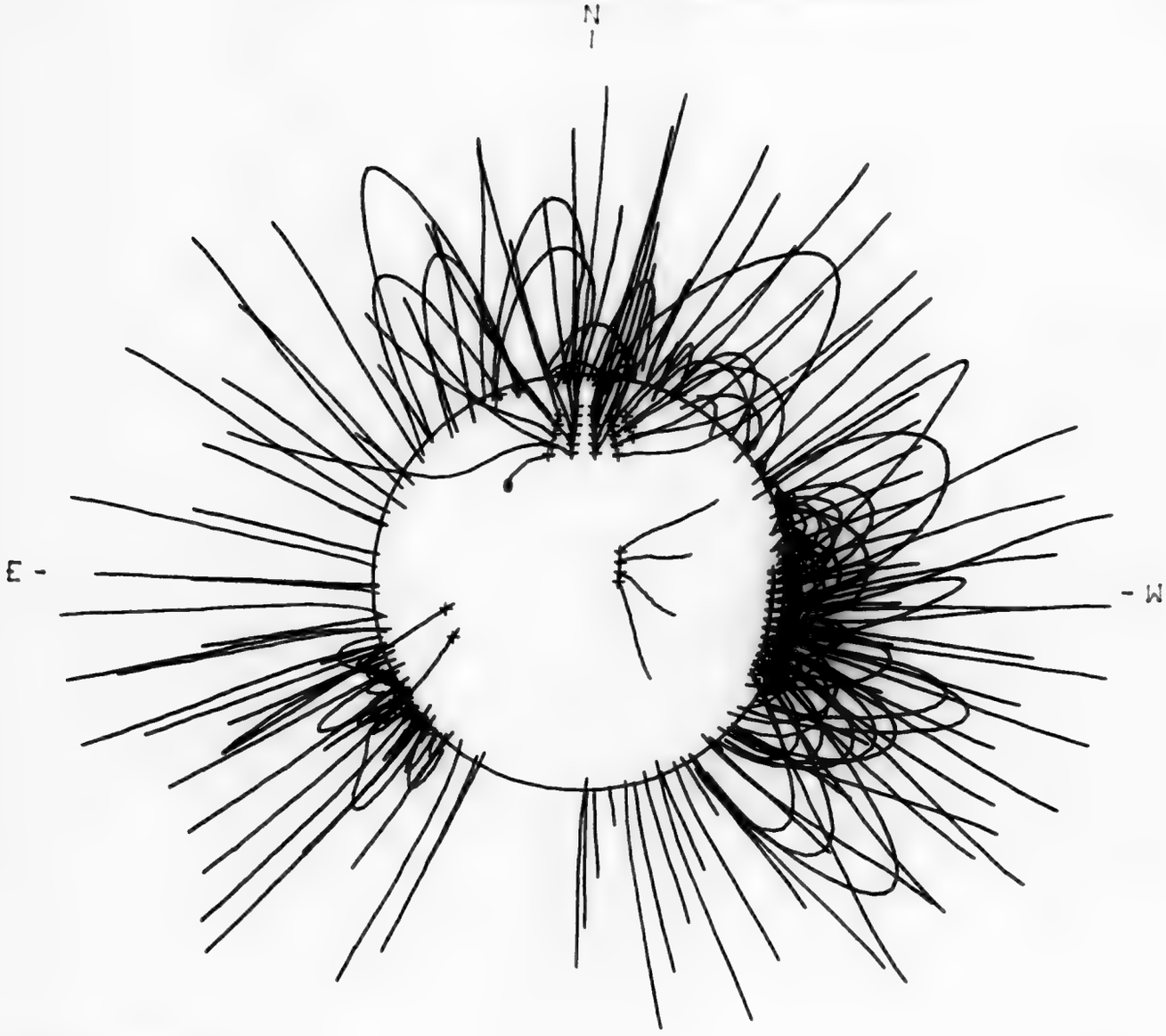
POLES DIRECT

DATA WINDOW 1111.00

ROT. 1444 LONG. 180°

27.6 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

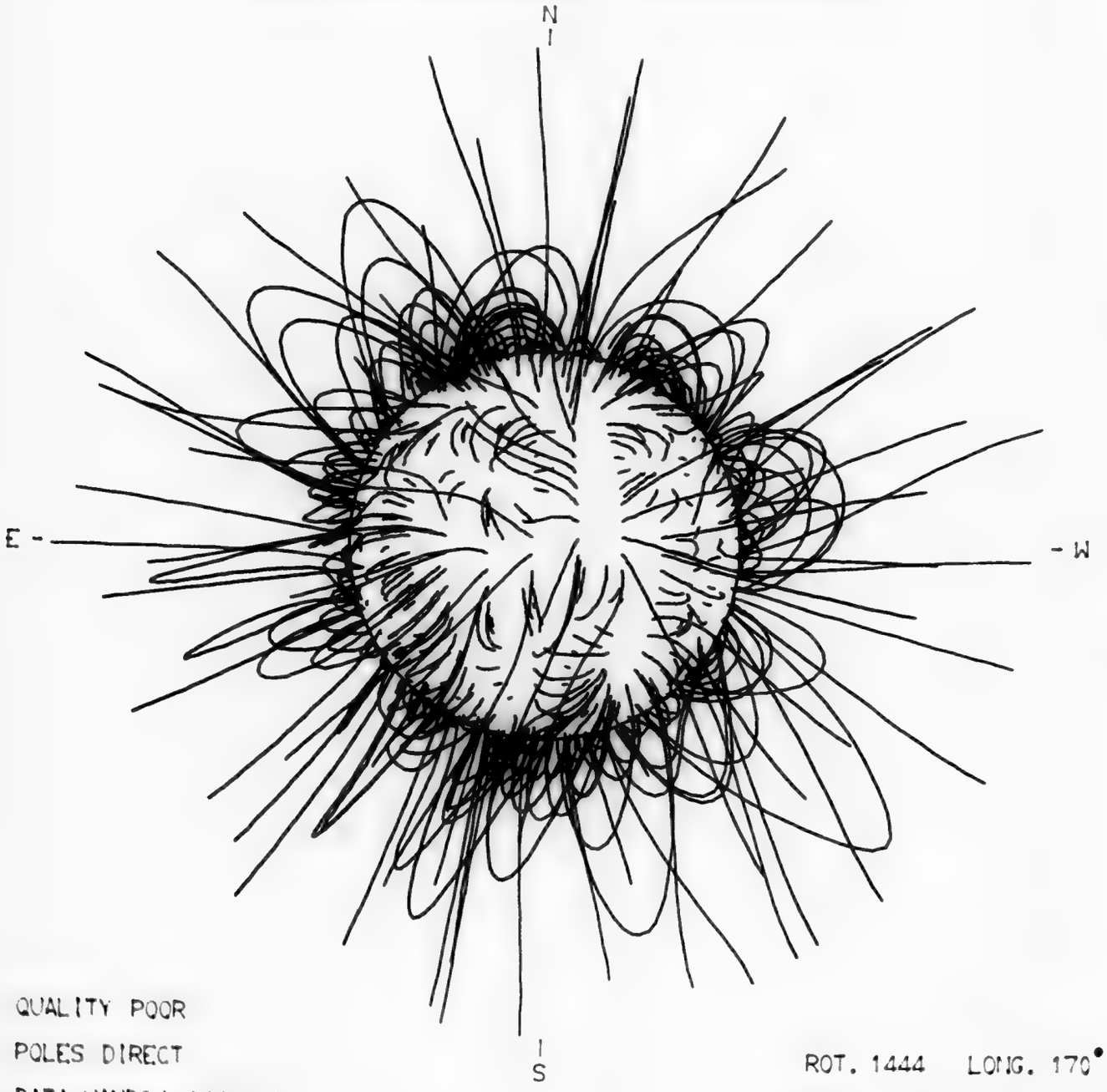
POLES DIRECT

DATA WINDOW 1.1.1.1.00

ROT. 1444 LONG. 180°

27.6 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

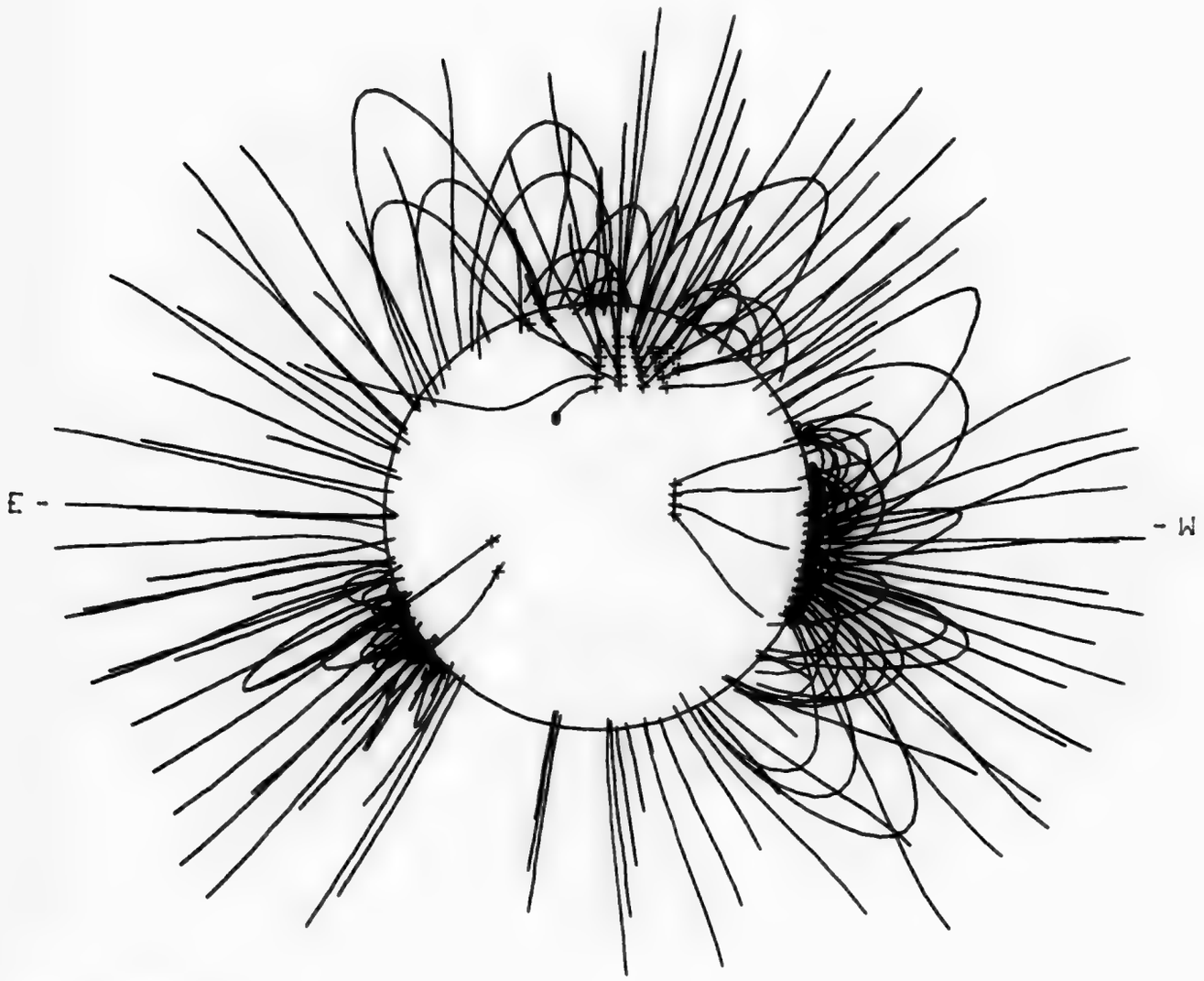
DATA WINDOW 1444.00

ROT. 1444 LONG. 170°

28.4 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



S

QUALITY POOR

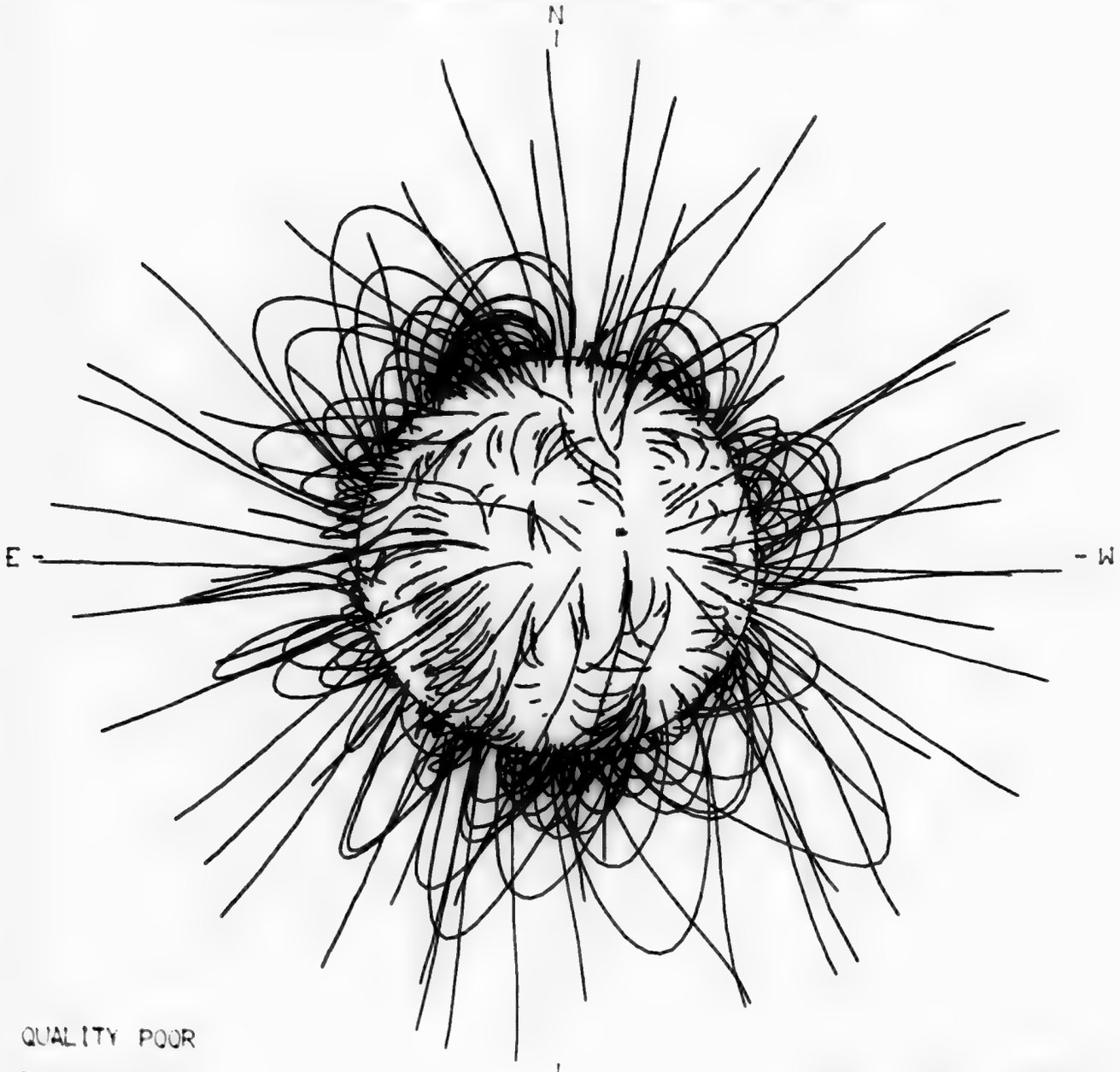
POLES DIRECT

DATA WINDOW 1444.00

ROT. 1444 LONG. 170°

28.4 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

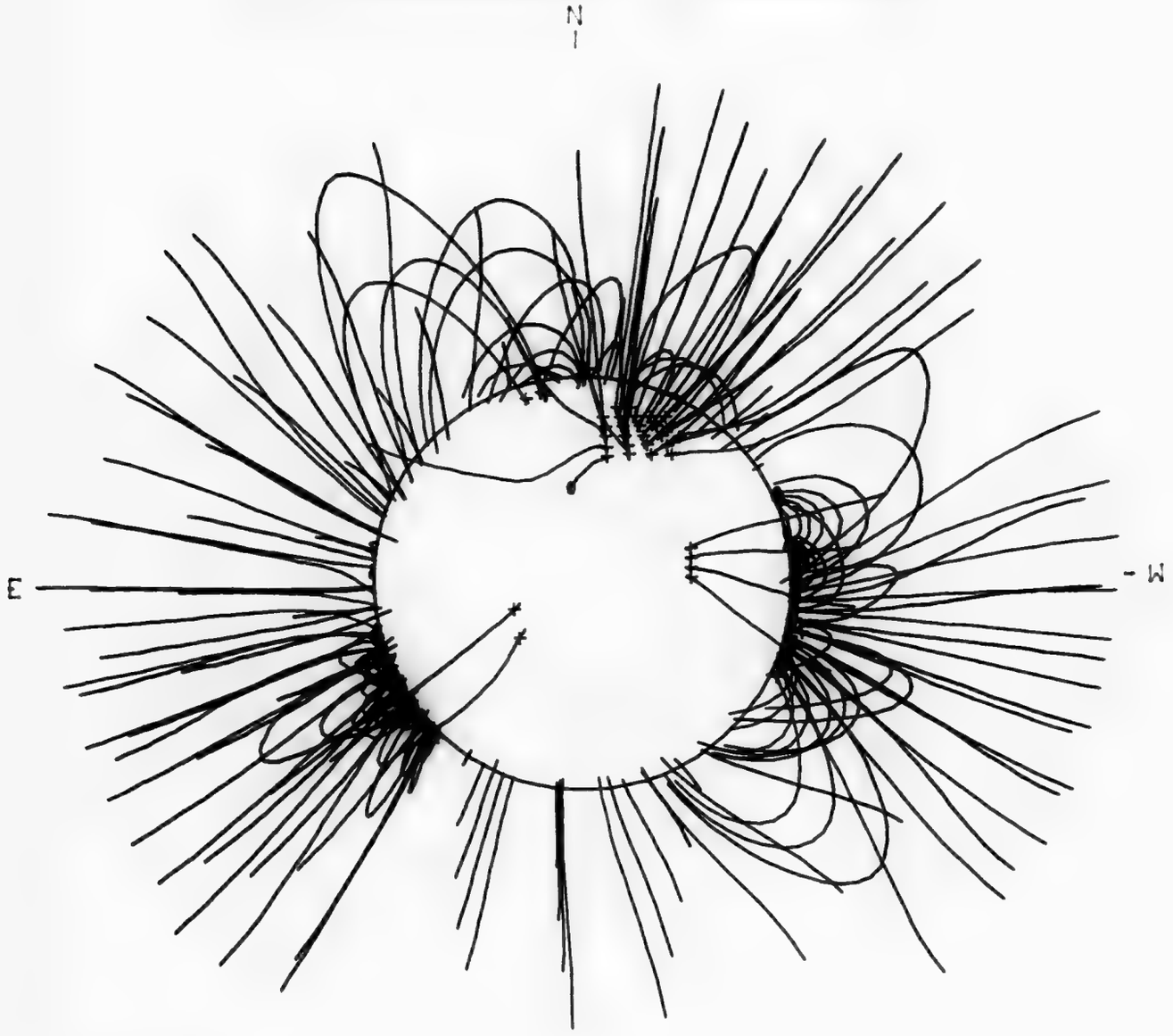
POLES DIRECT

DATA WINDOW 1.1.1.1.00

ROT. 1444 LONG. 160°

29.1 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

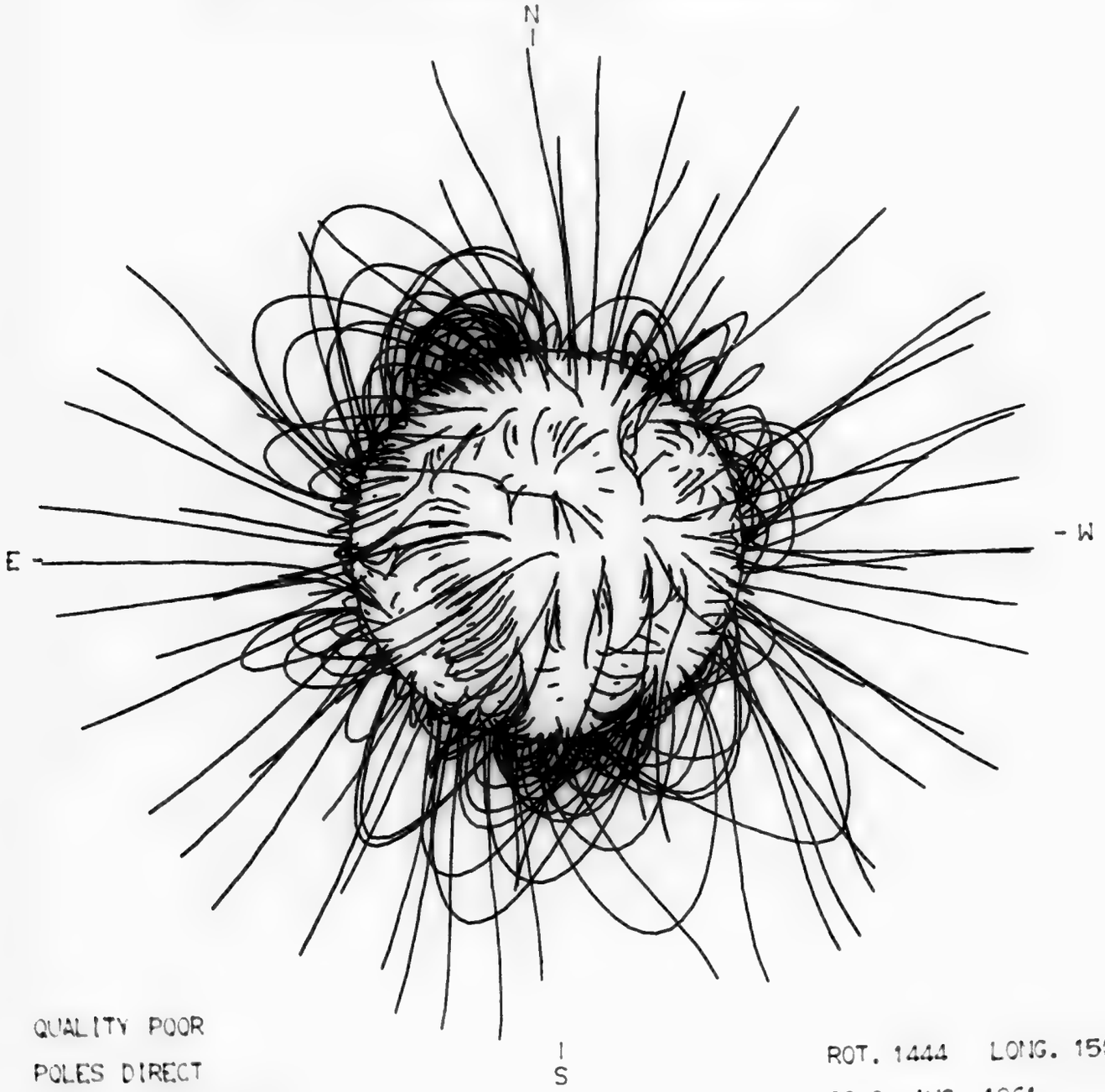
POLES DIRECT

DATA WINDOW 1111.00

ROT. 1444 LONG. 160°

29.1 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

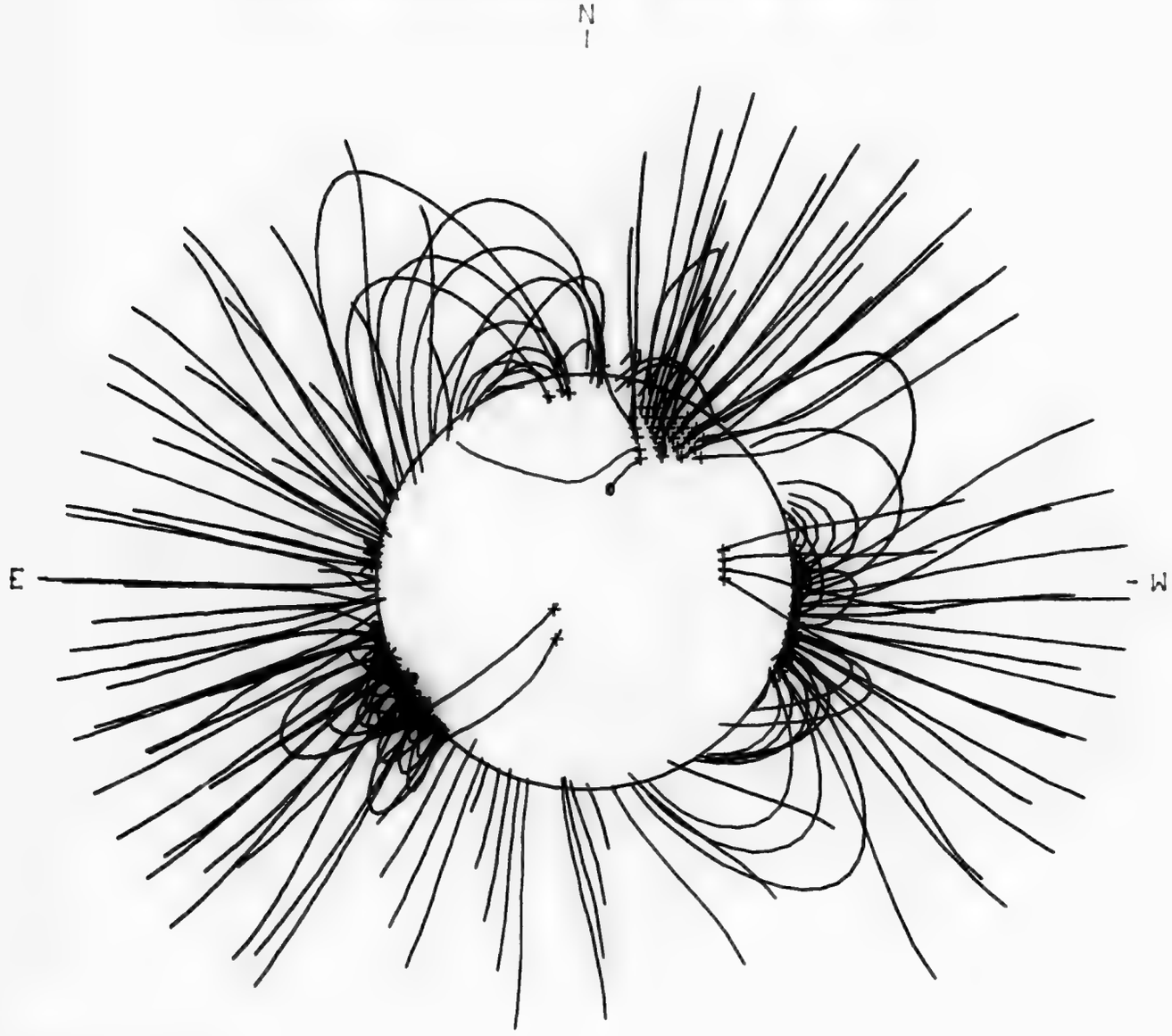
POLES DIRECT

DATA WINDOW 1.111.00

ROT. 1444 LONG. 150°

29.9 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

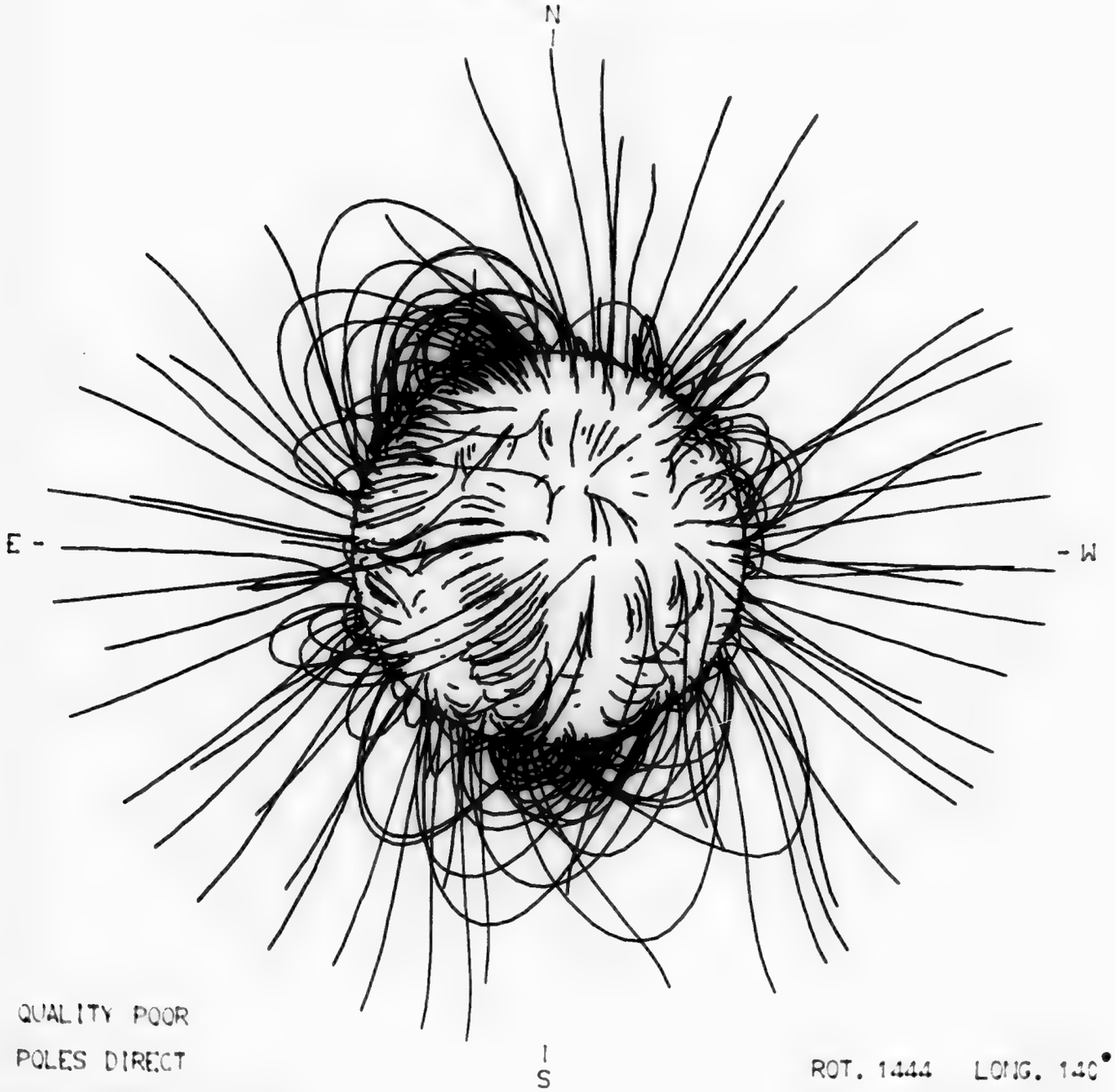
POLES DIRECT

DATA WINDOW 1.1.1.00

ROT. 1444 LONG. 150°

29.9 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

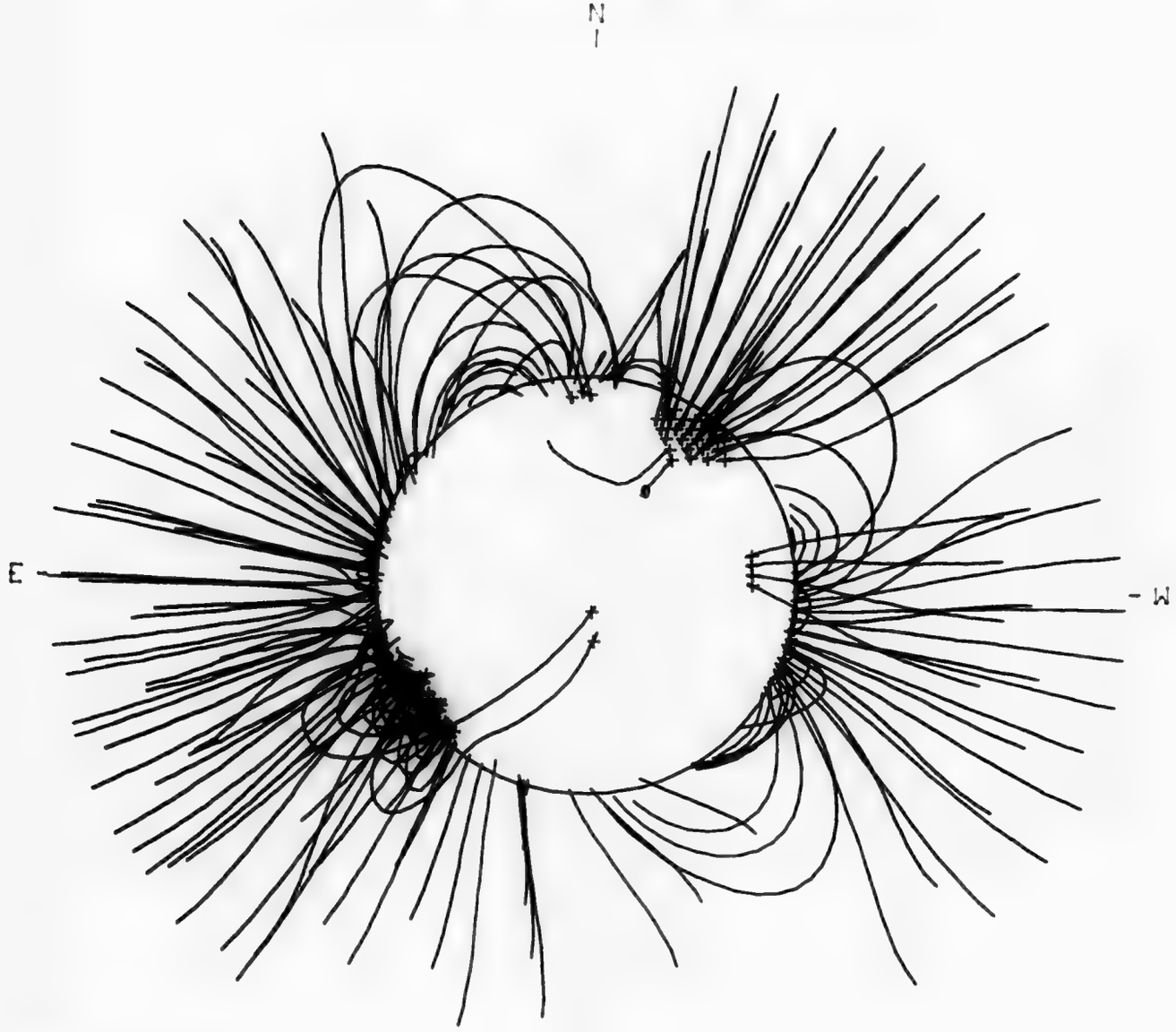
POLES DIRECT

DATA WINDOW 1.1.1.1.00

ROT. 1444 LONG. 140°

30.7 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

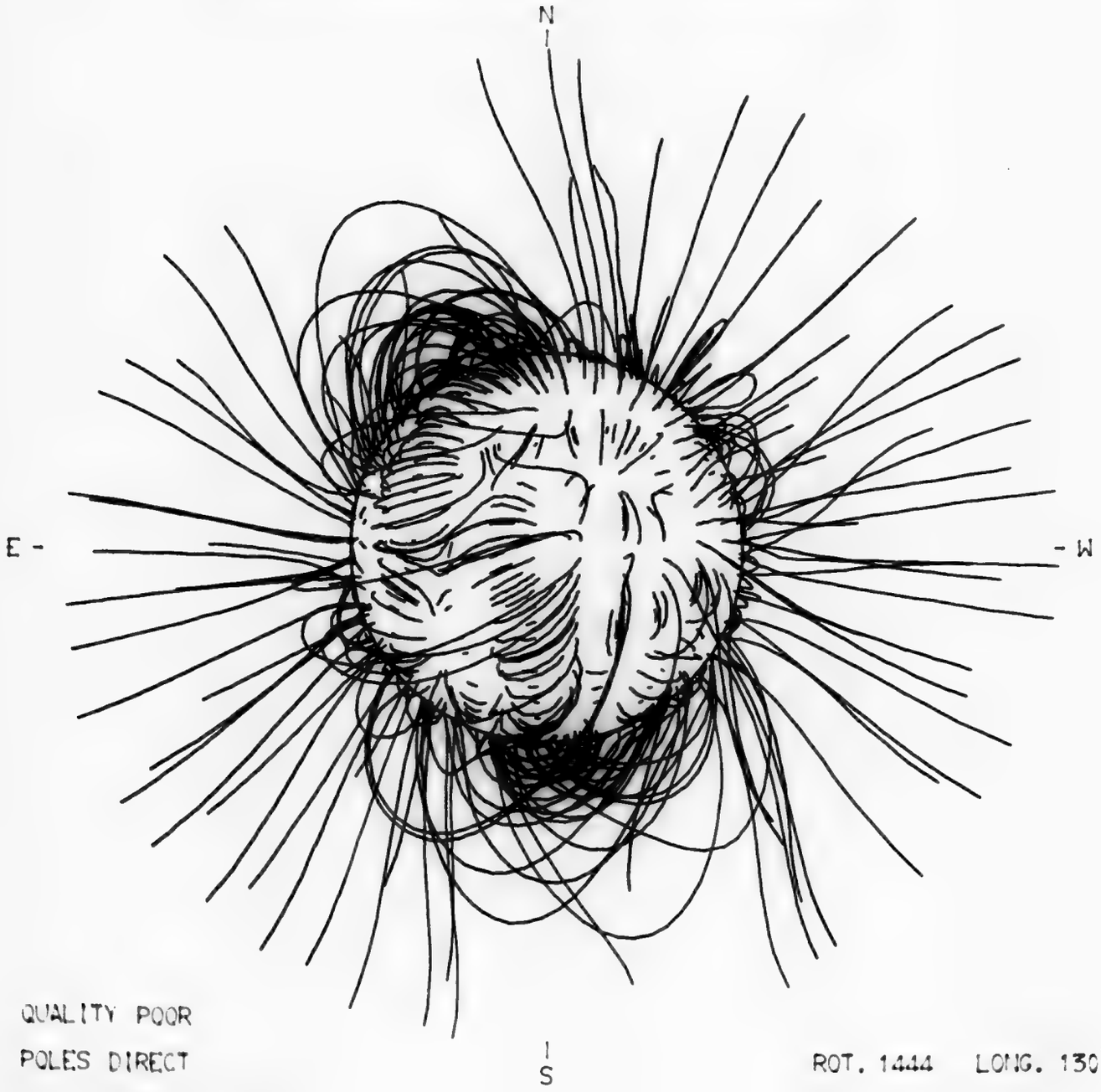
POLES DIRECT

DATA WINDOW 1444.00

ROT. 1444 LONG. 140°

30.7 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

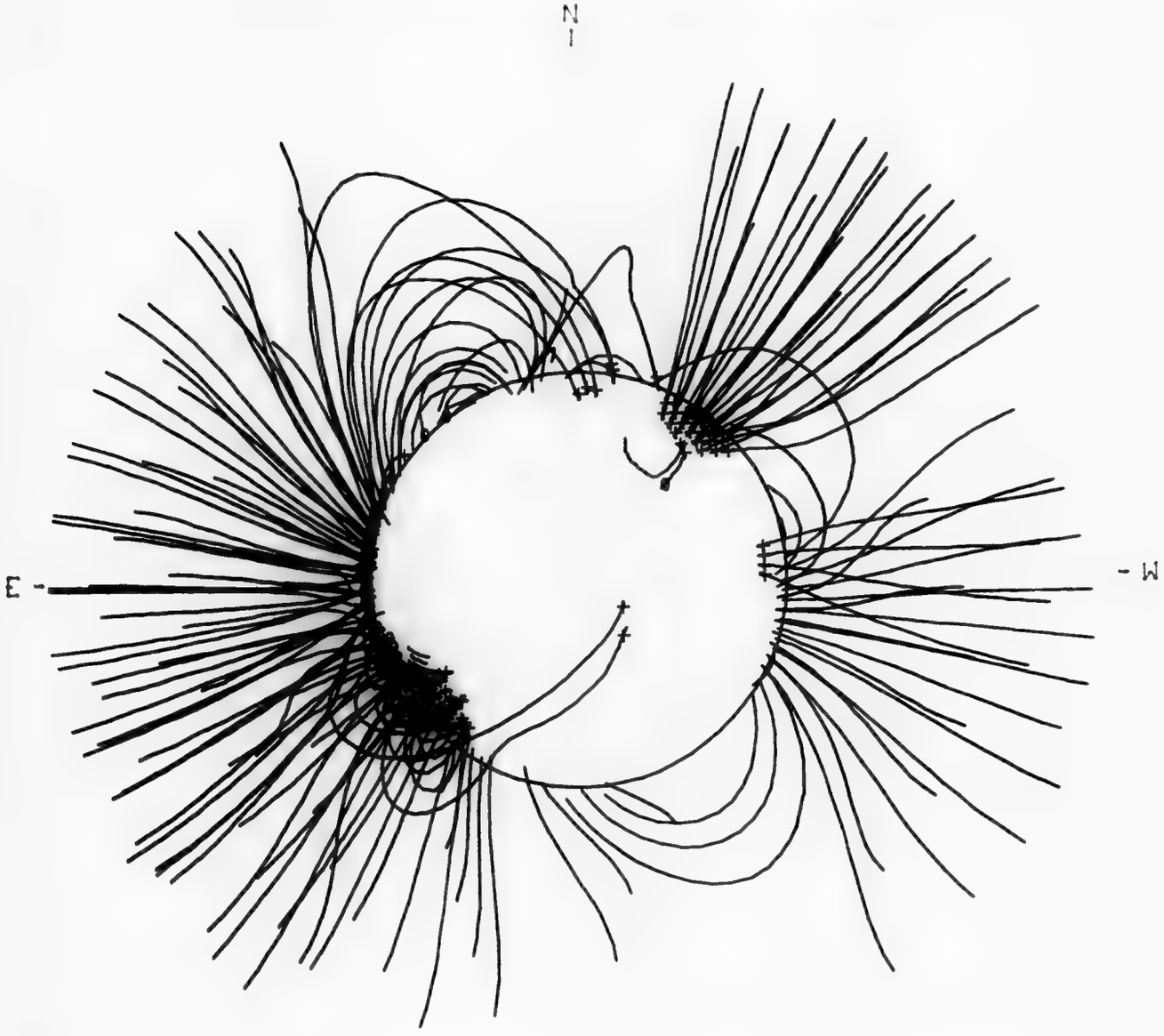
POLES DIRECT

DATA WINDOW 1.111.00

ROT. 1444 LONG. 130°

31.4 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

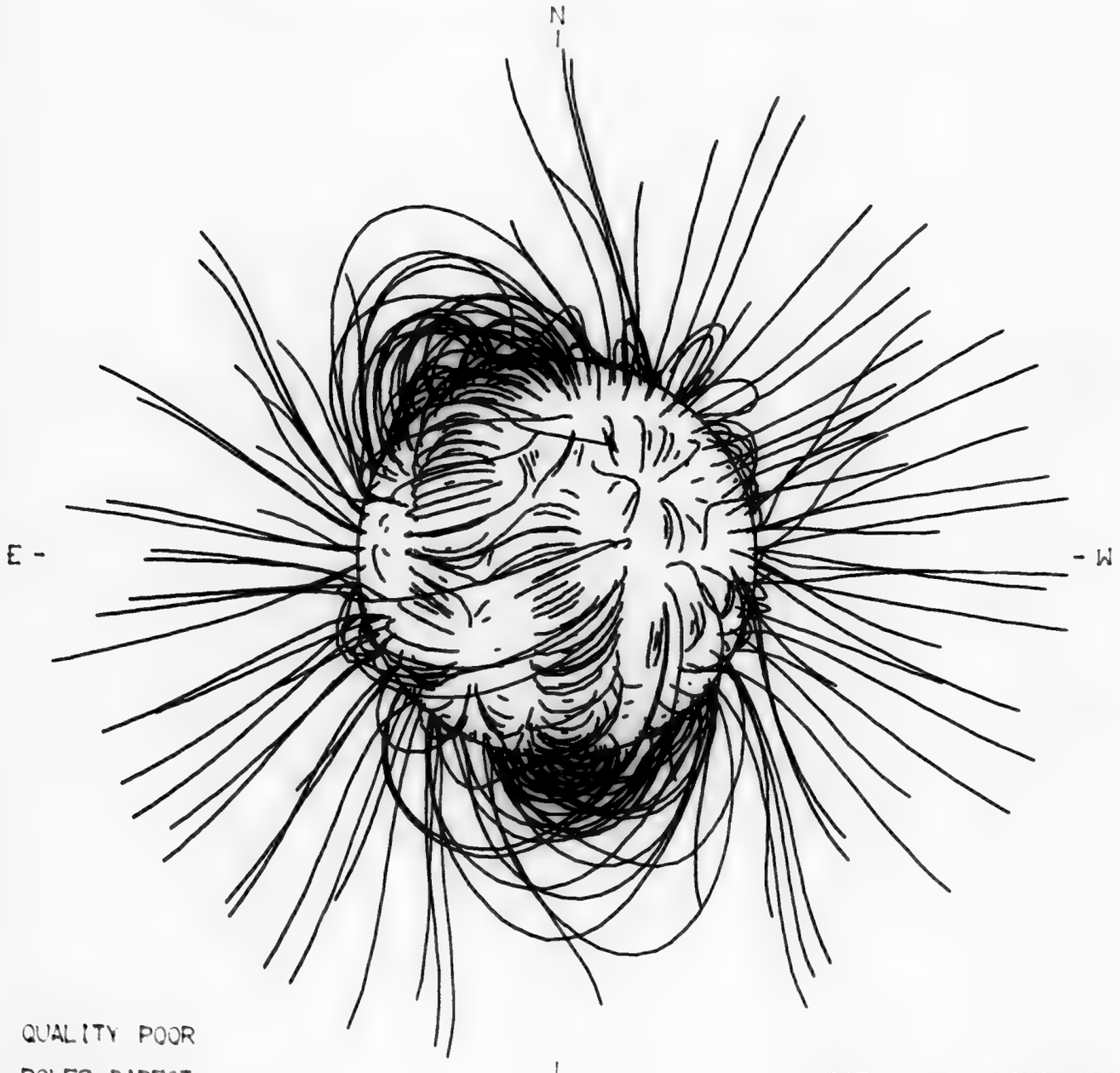
POLES DIRECT

DATA WINDOW 1444.00

ROT. 1444 LONG. 130°

31.4 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

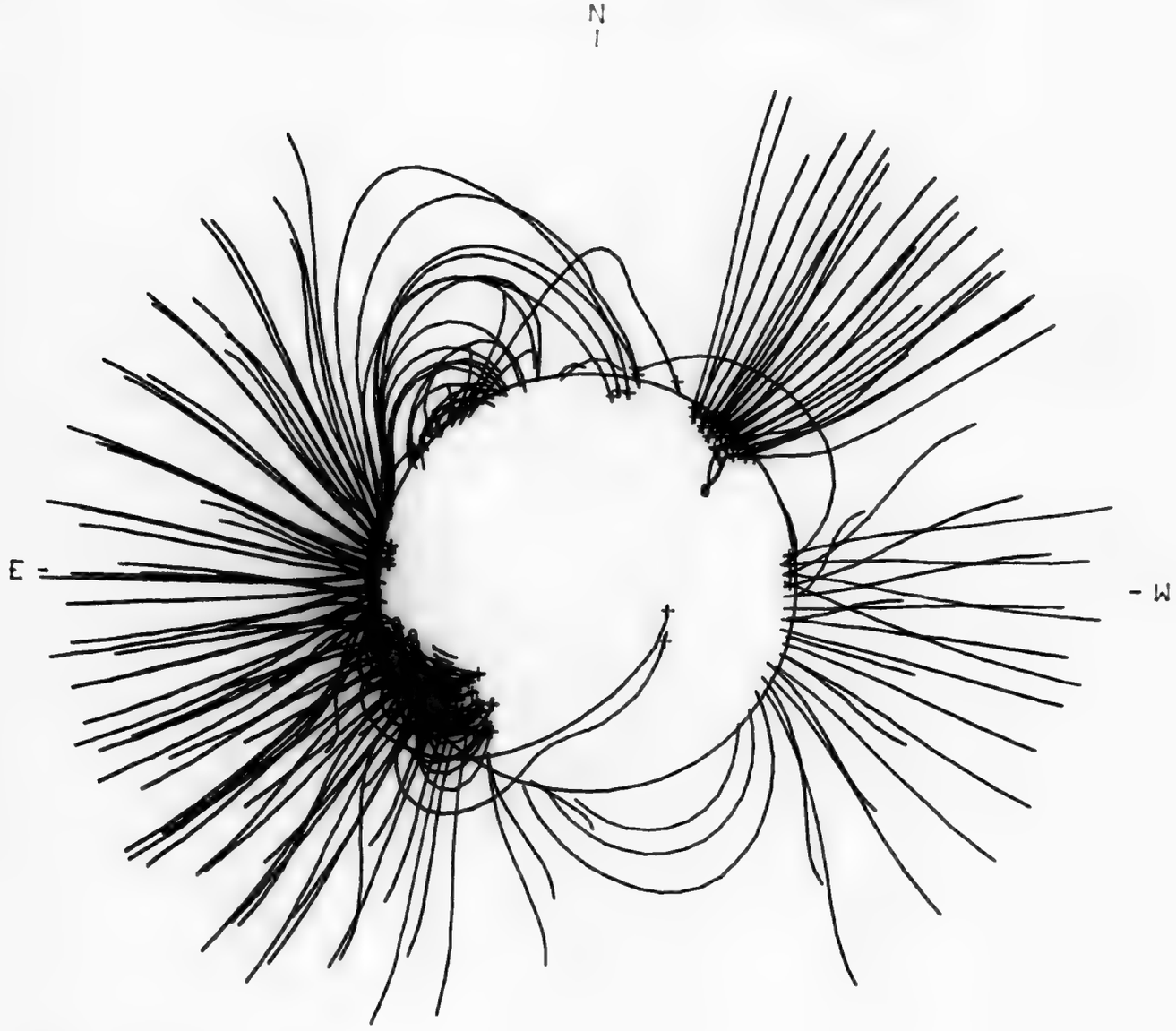
POLES DIRECT

DATA WINDOW 1.111.00

ROT. 1444 LONG. 120°

12 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

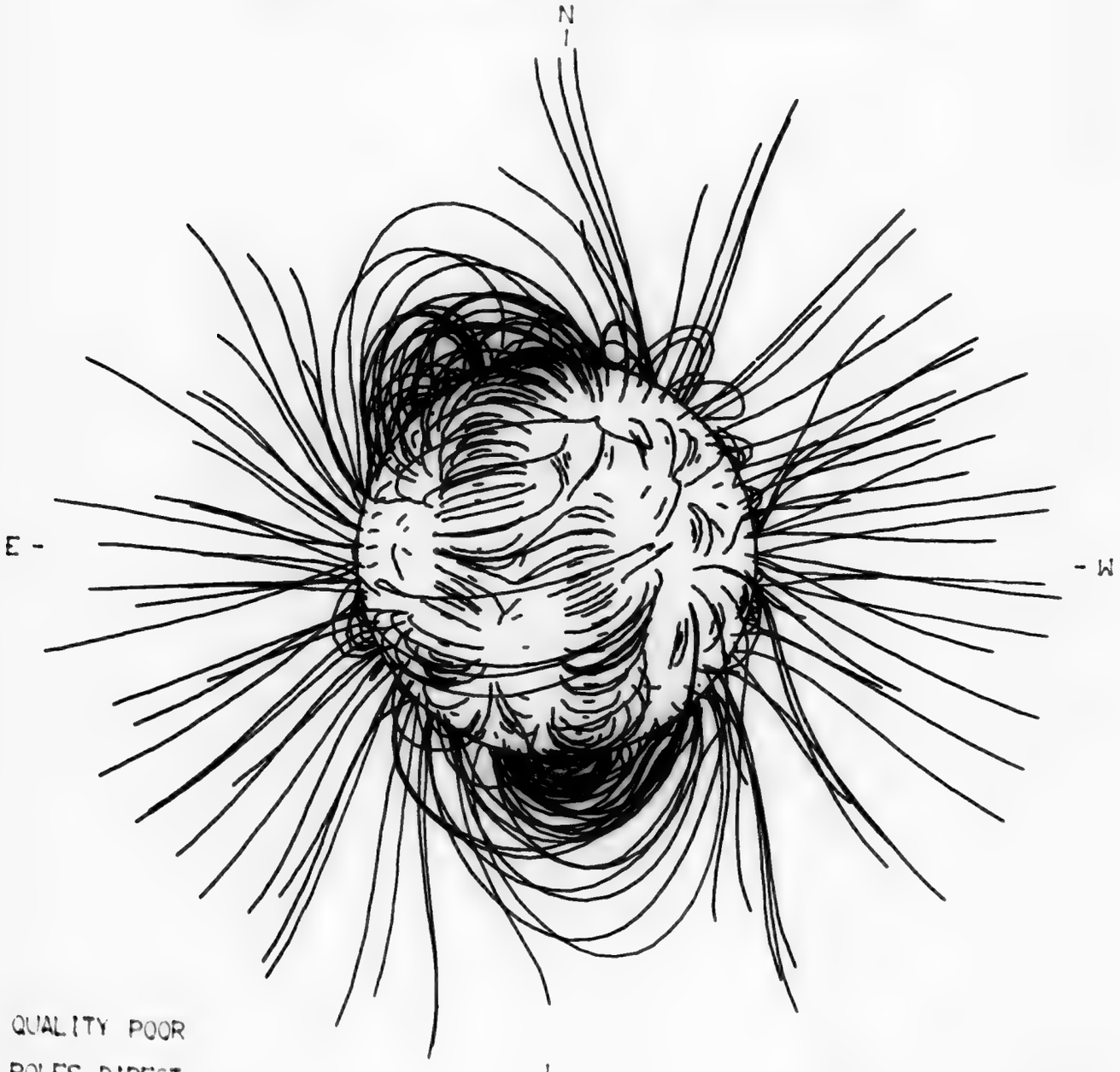
POLES DIRECT

DATA WINDOW 1.111.00

ROT. 1444 LONG. 120°

12 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.444.00

ROT. 1444 LONG. 110°

19 SEP 1961

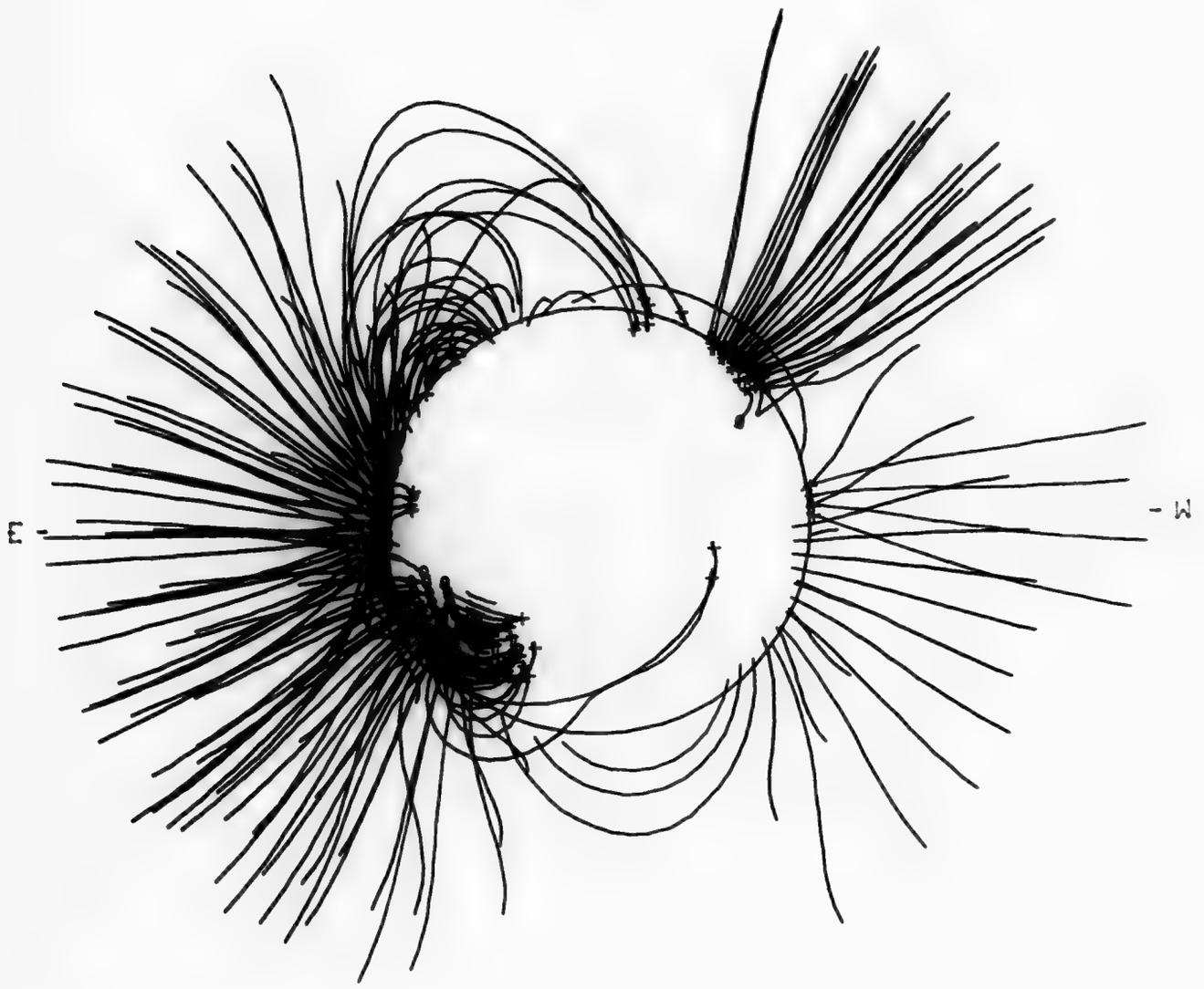
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E

W

S



QUALITY POOR

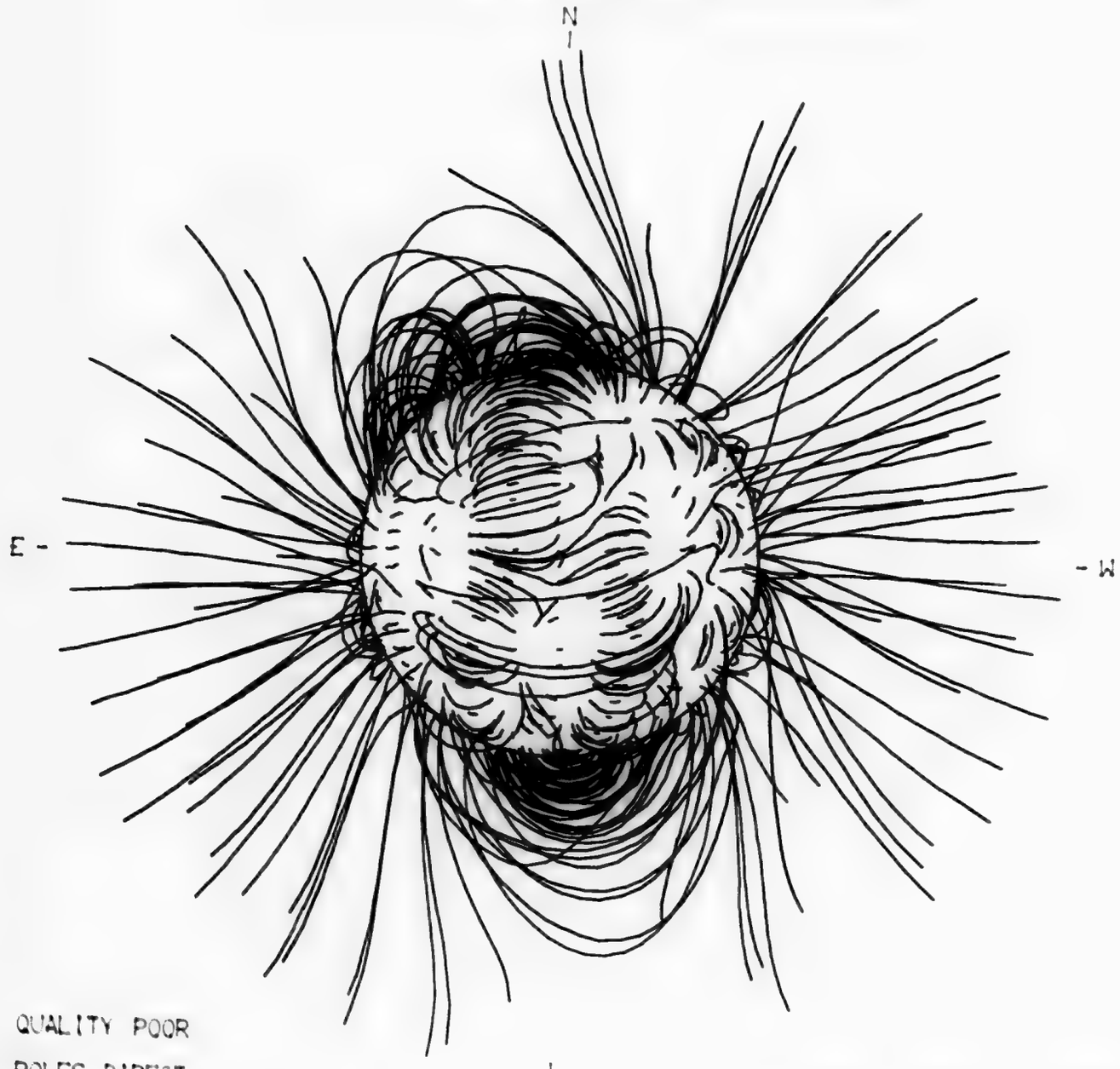
POLES DIRECT

DATA WINDOW 1111.00

ROT. 1444 LONG. 110°

19 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1444.00

ROT. 1444 LONG. 100°

27 SEP 1961

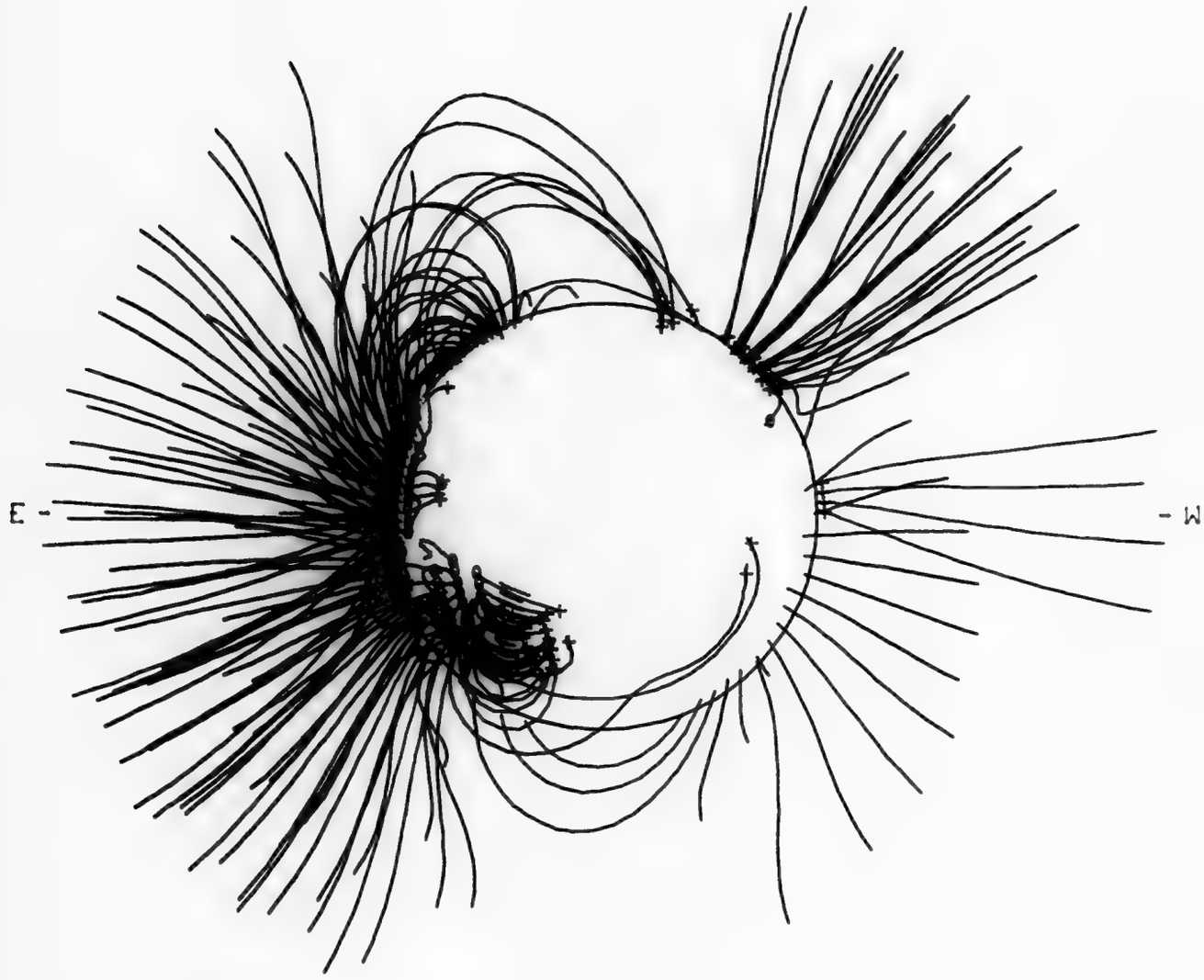
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E

W

S



QUALITY POOR

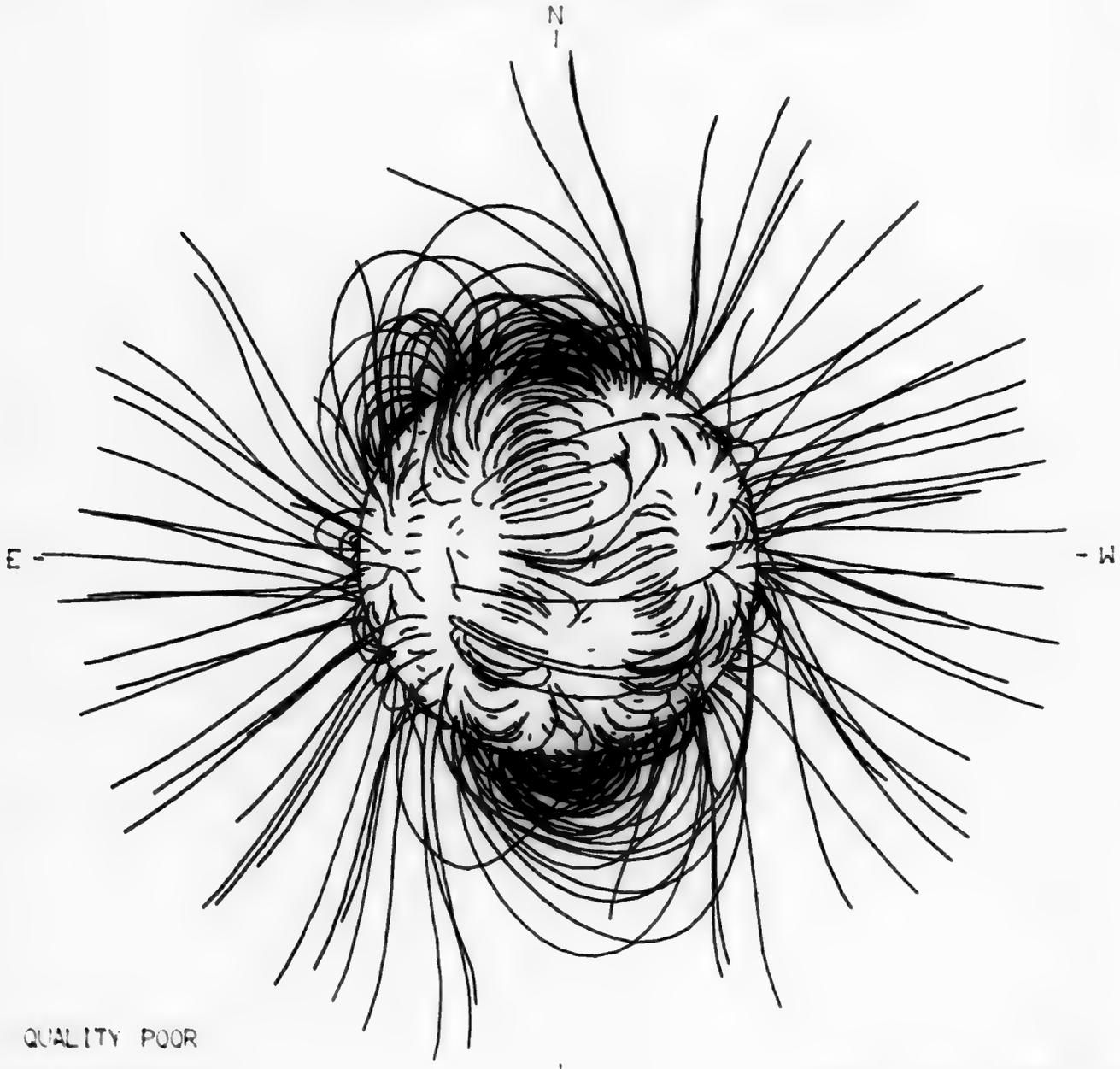
POLES DIRECT

DATA WINDOW 1444.00

ROT. 1444 LONG. 100°

27 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

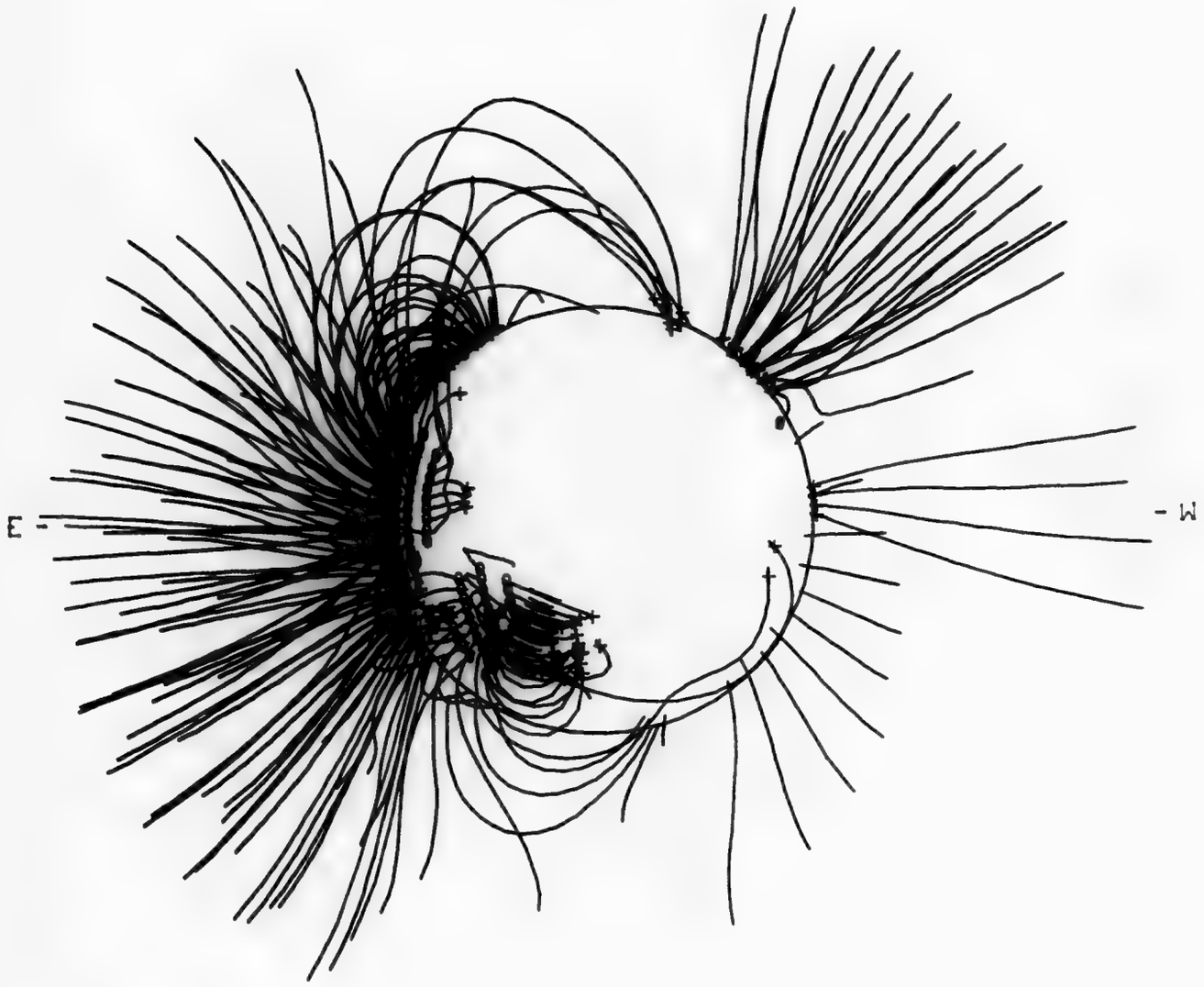
DATA WINDOW 1111.00

ROT. 1444 LONG. 90°

3.4 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



S

QUALITY POOR

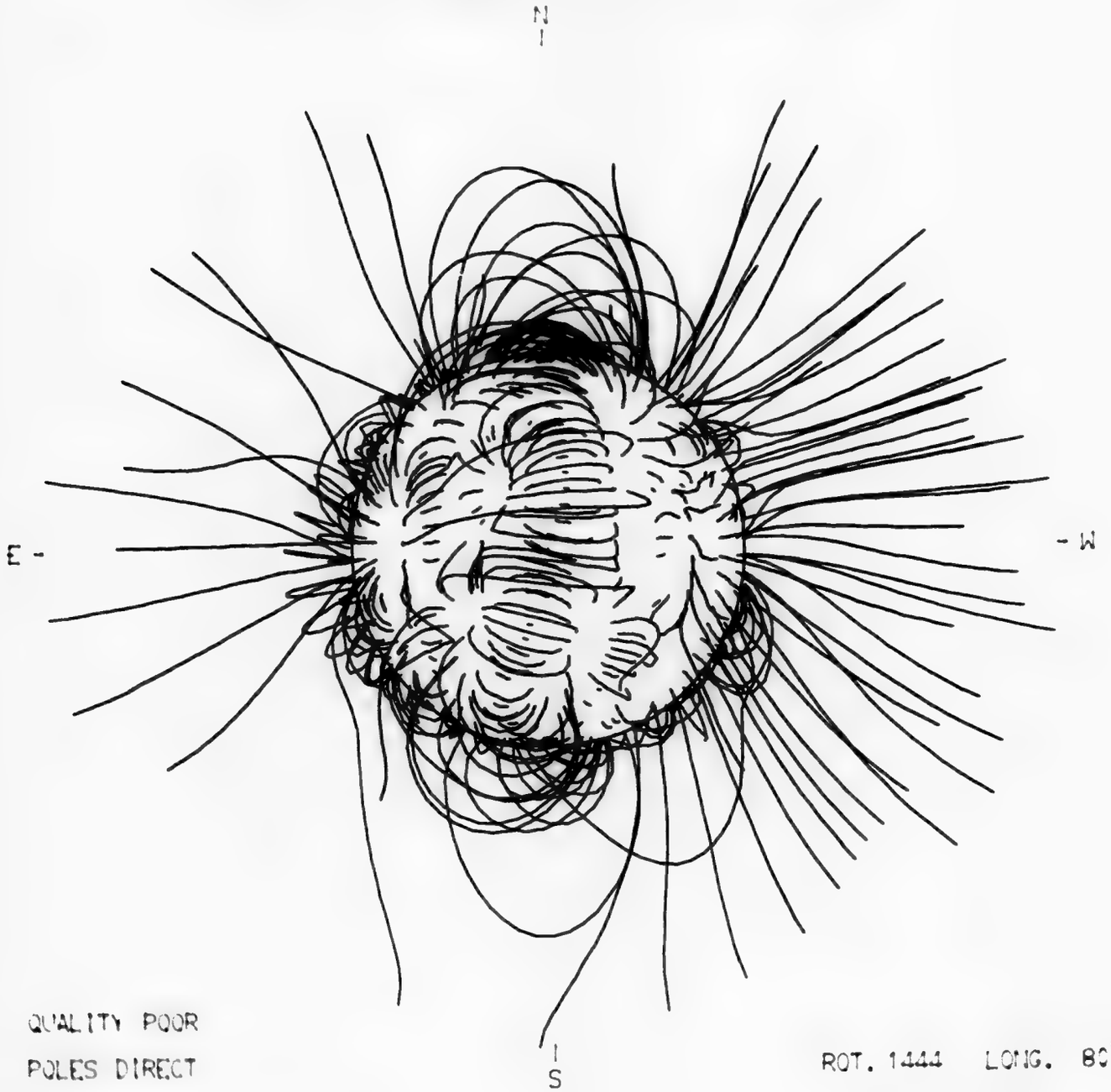
POLES DIRECT

DATA WINDOW 1.1.1.00

ROT. 1444 LONG. 90°

3.4 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1444.47

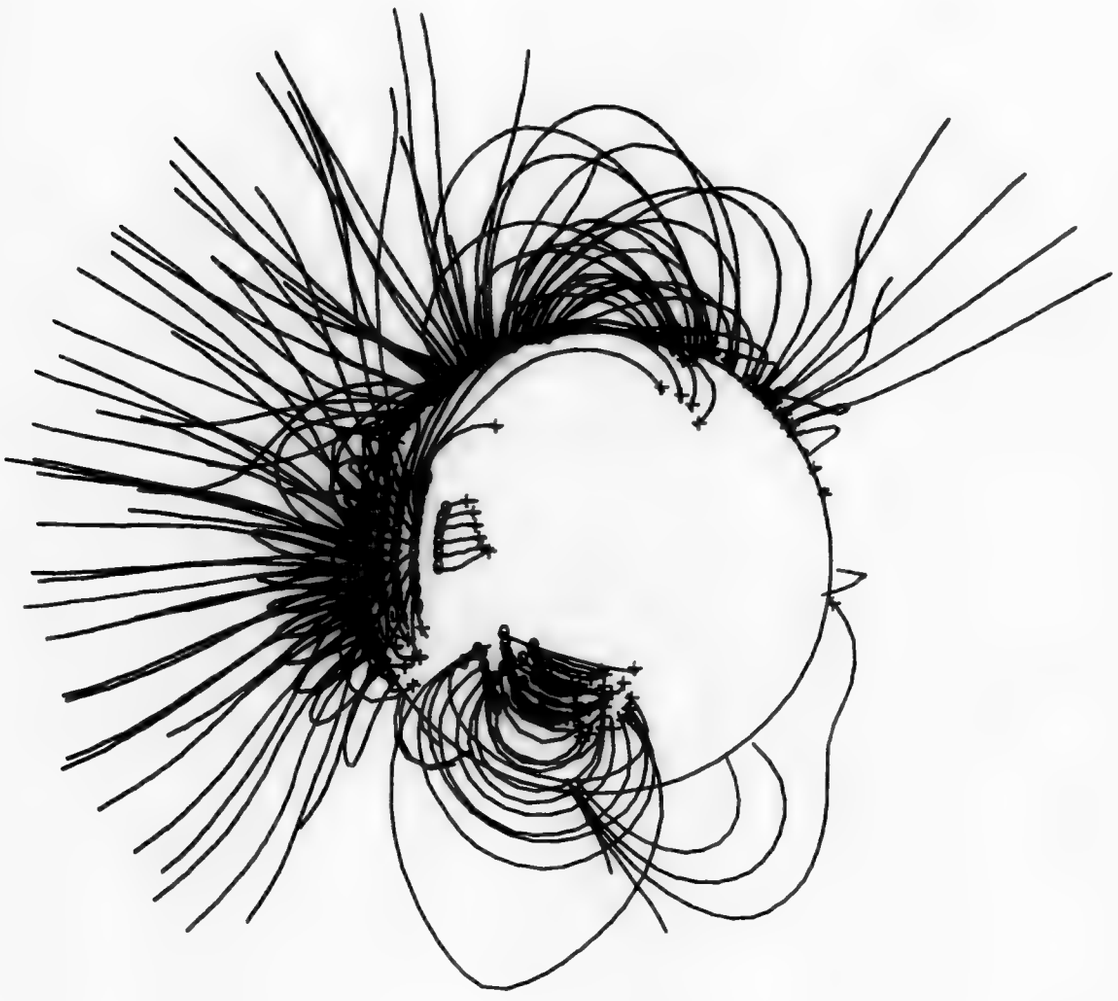
ROT. 1444 LONG. 80°

4.2 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

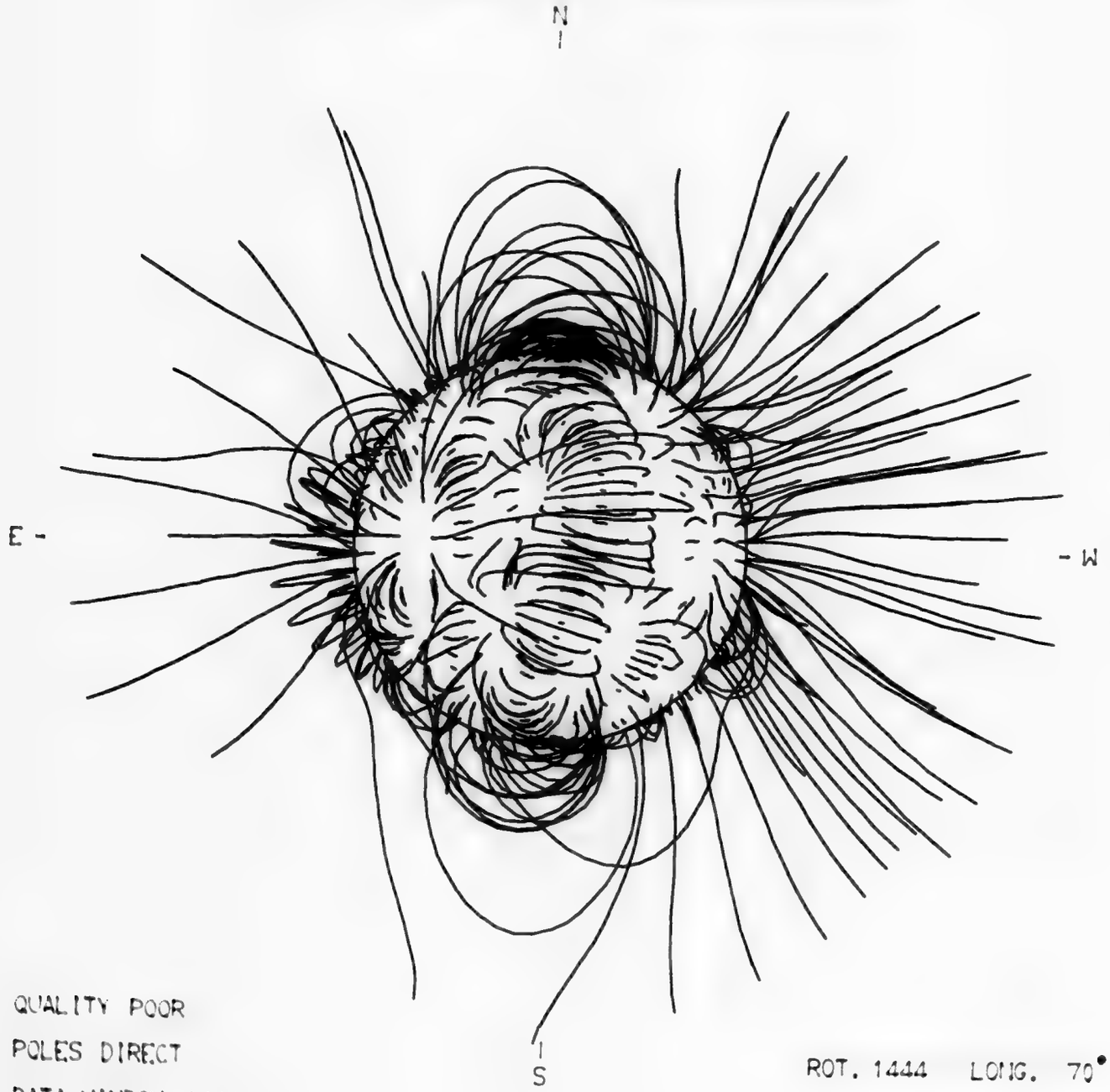
POLES DIRECT

DATA WINDOW 1.1.1.47

ROT. 1444 LONG. 80°

4.2 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.111.47

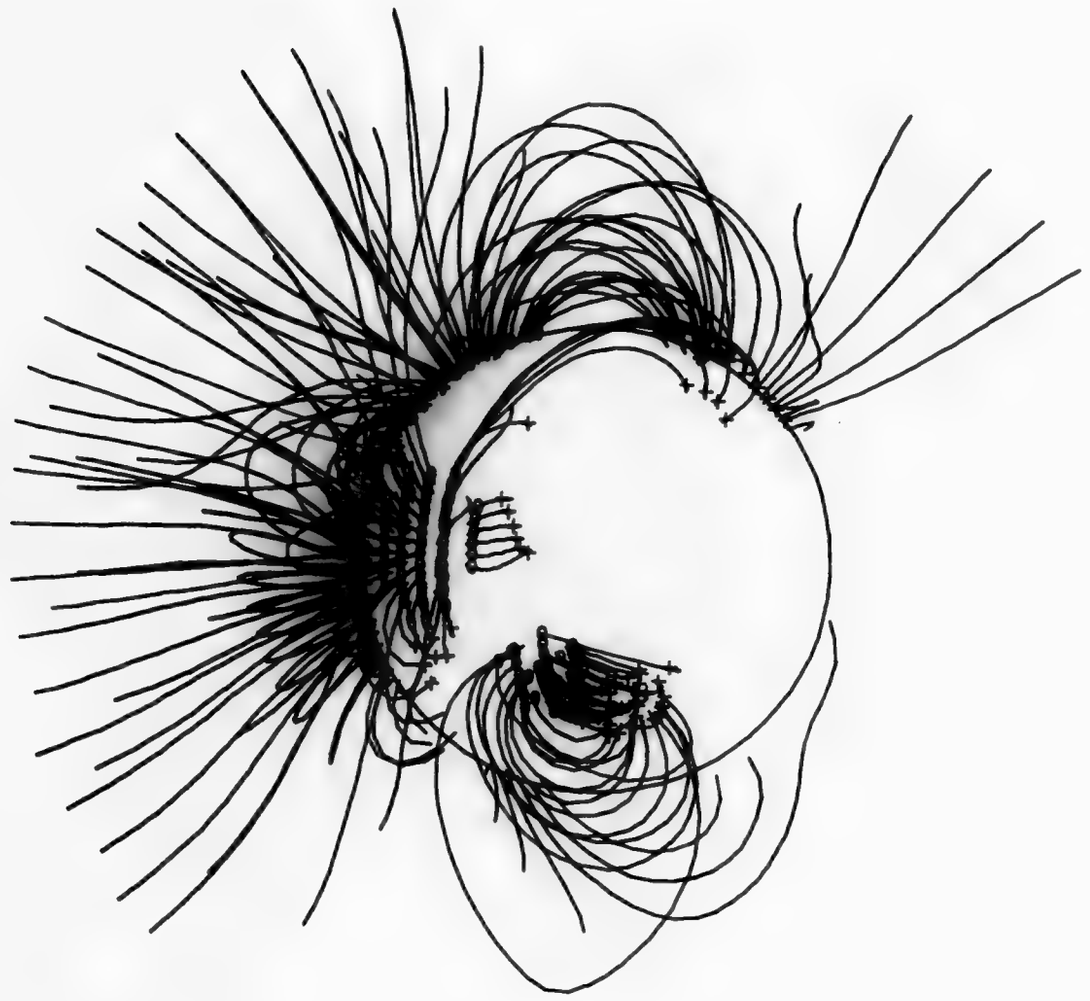
ROT. 1444 LONG. 70°

5.0 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

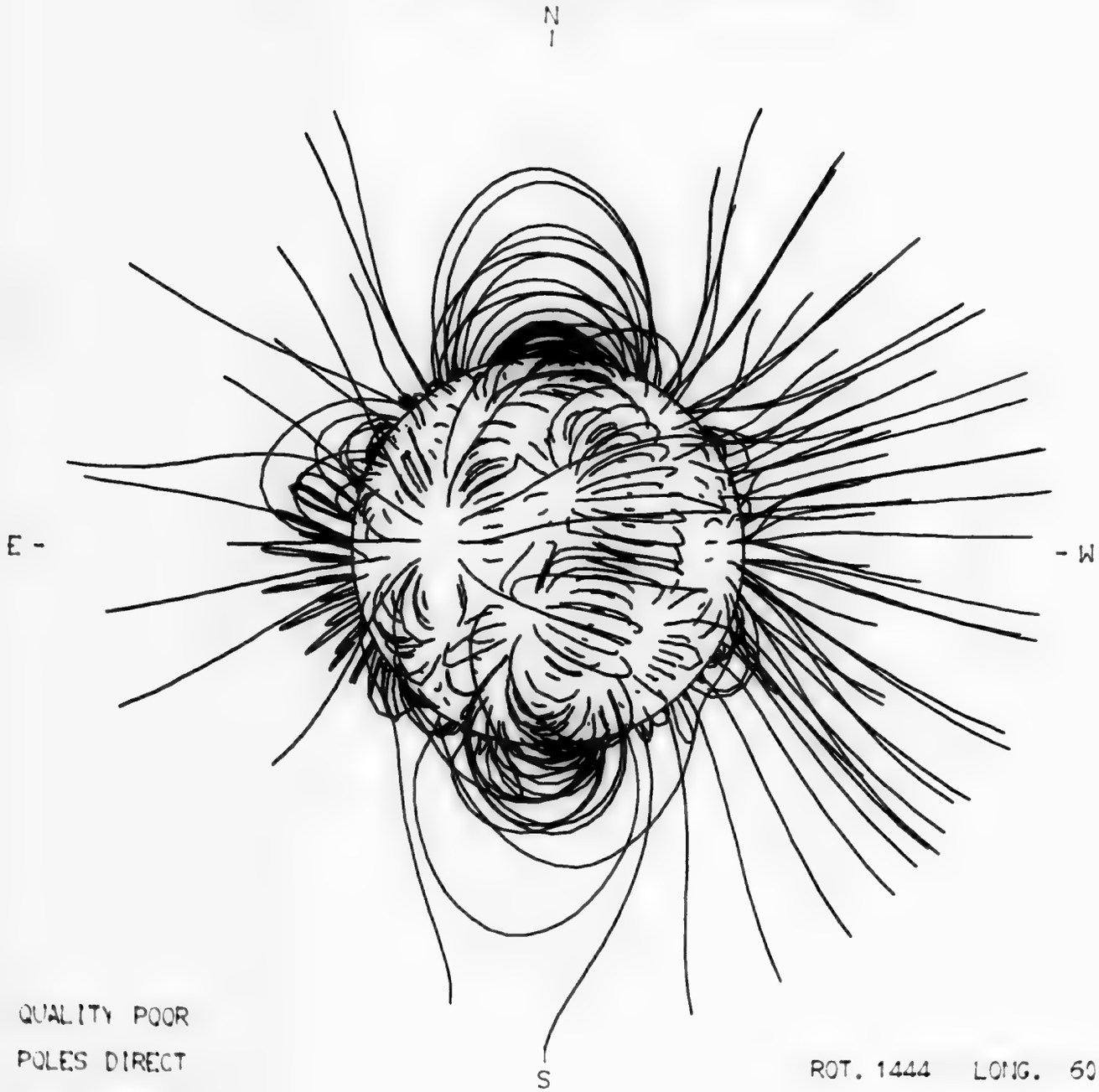
POLES DIRECT

DATA WINDOW 1444.47

ROT. 1444 LONG. 70°

5.0 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

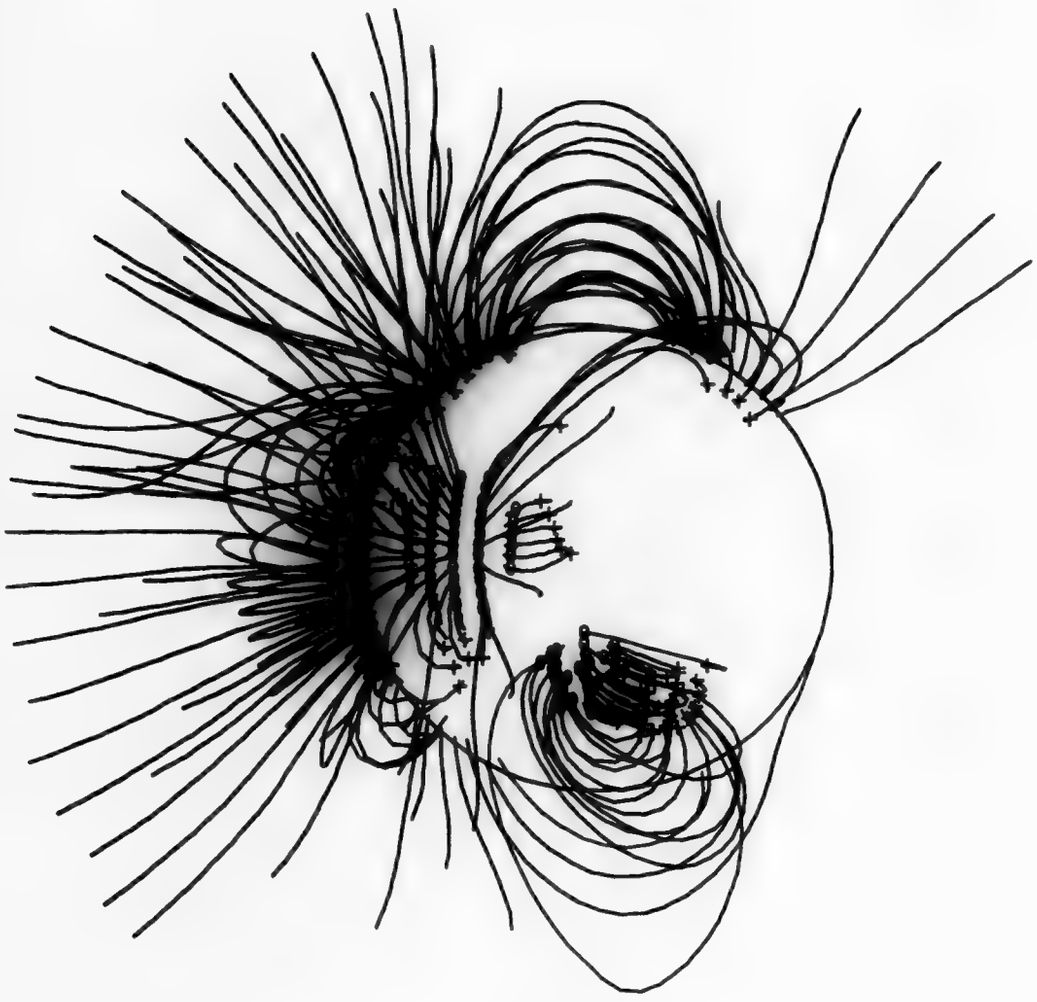
DATA WINDOW 1444.47

ROT. 1444 LONG. 60°

5.7 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

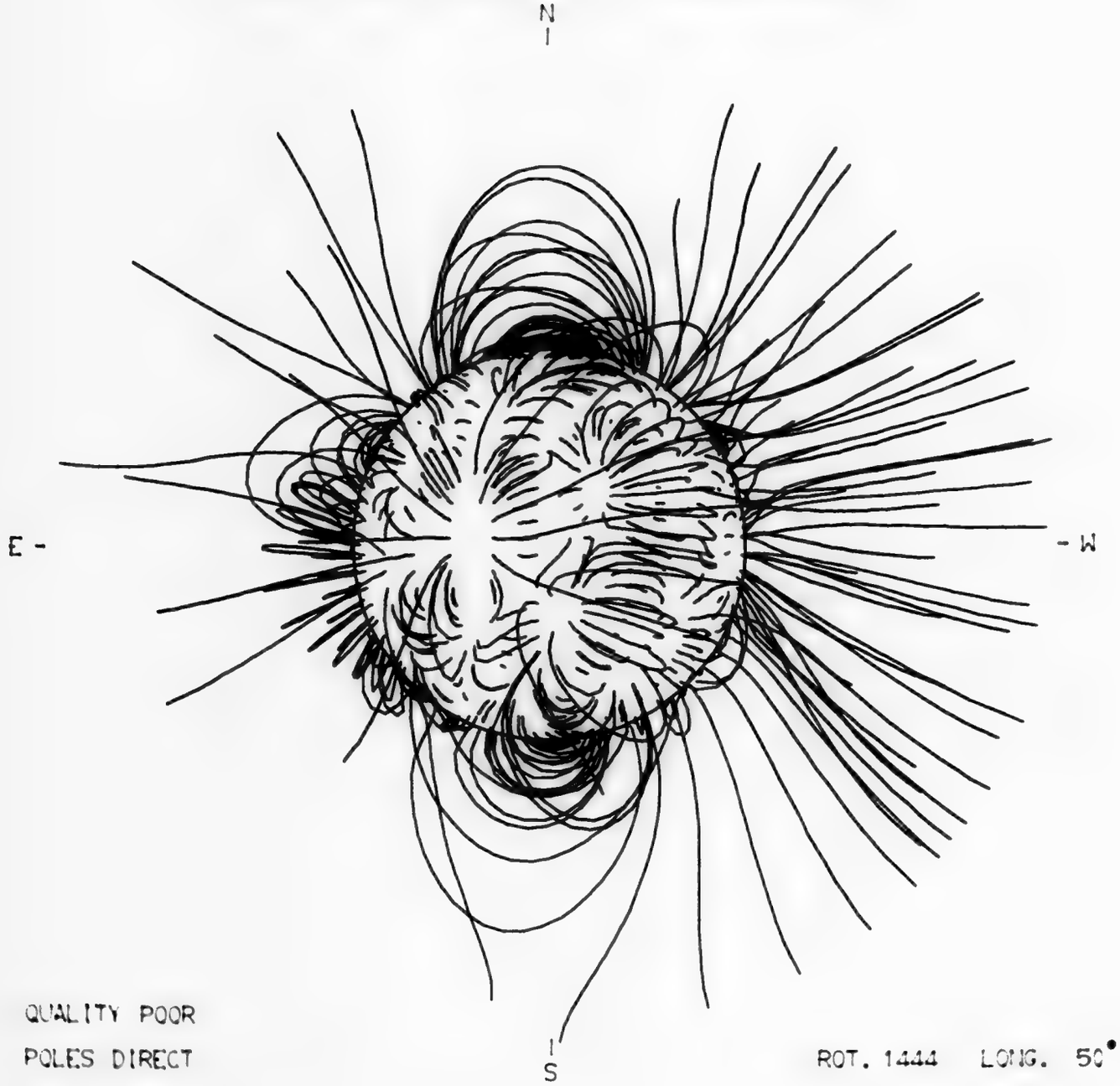
POLES DIRECT

DATA WINDOW 1444.47

ROT. 1444 LONG. 60°

5.7 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

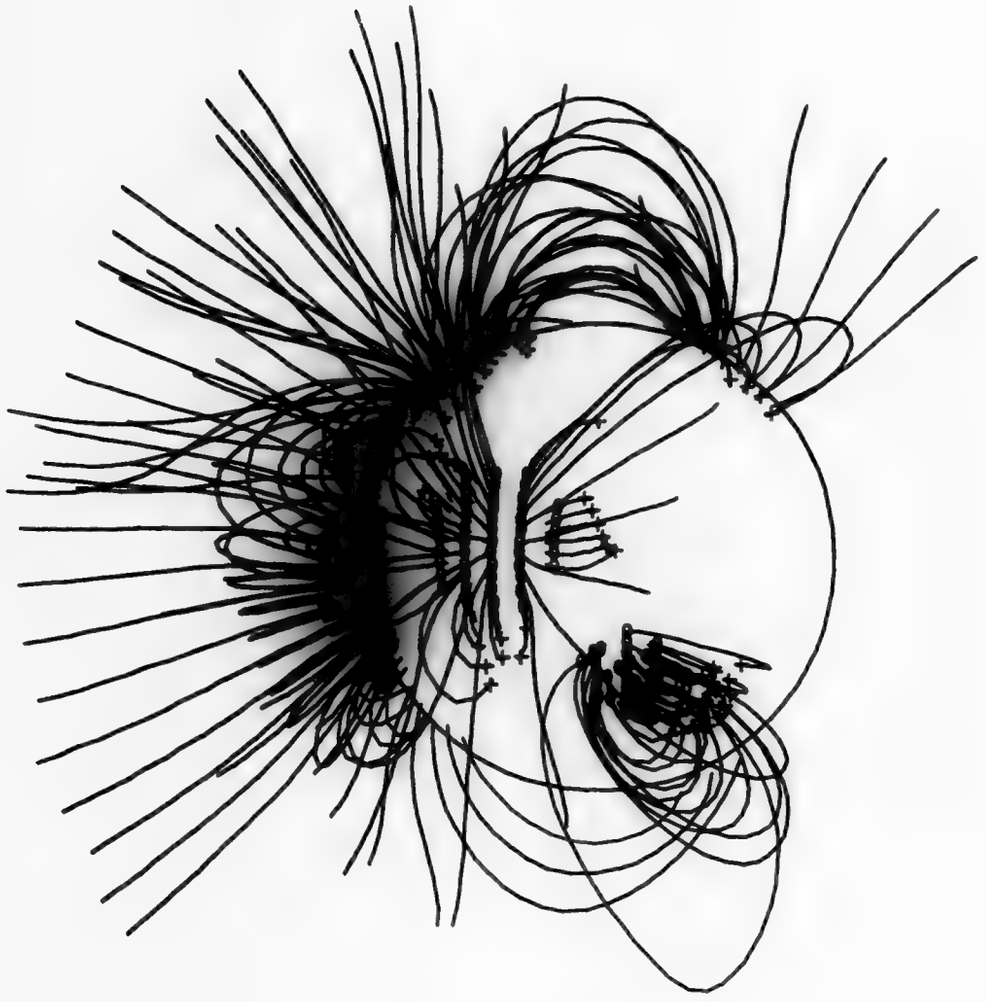
DATA WINDOW 1444.47

ROT. 1444 LONG. 50°

6.5 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

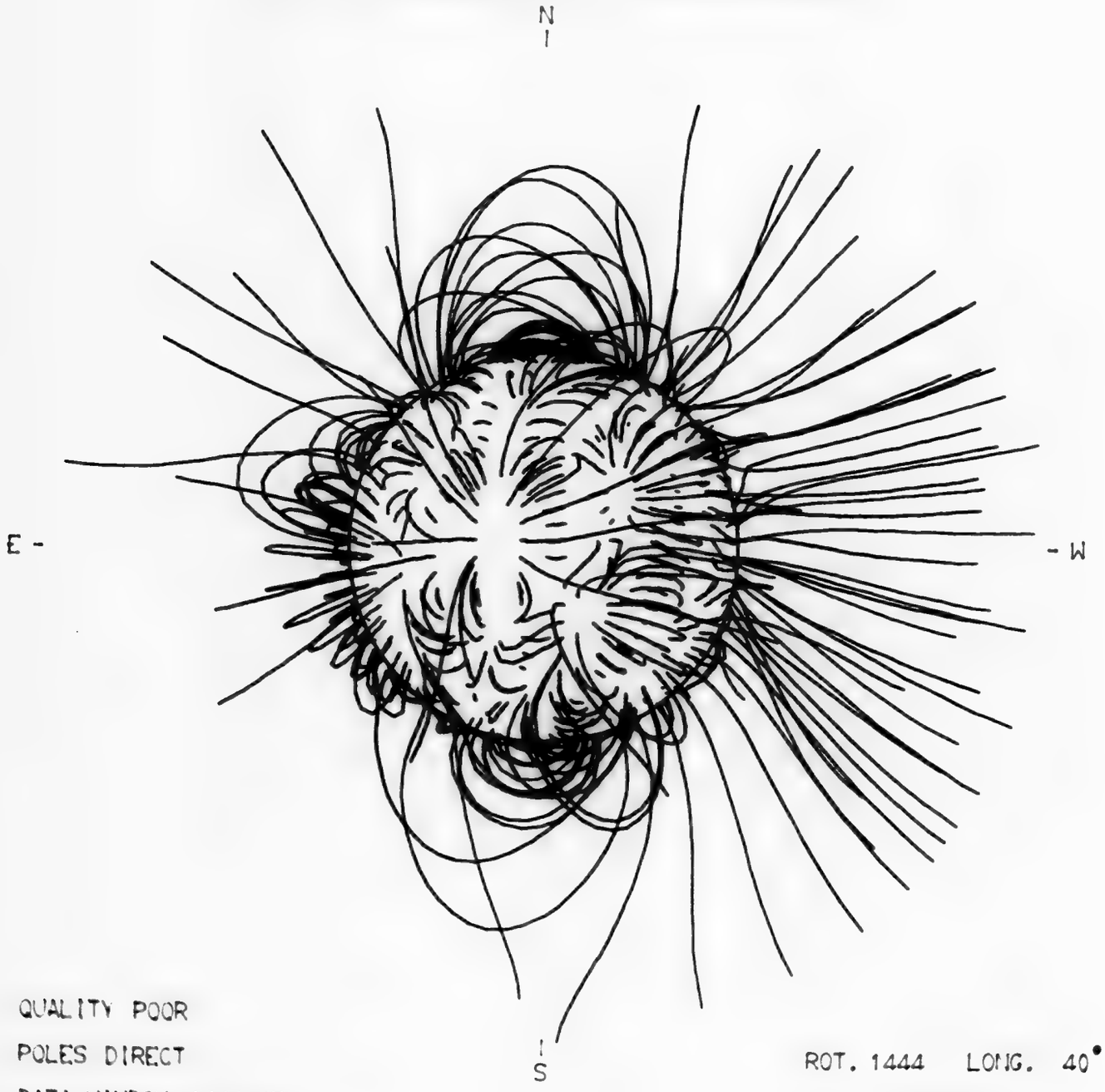
POLES DIRECT

DATA WINDOW 1444.47

ROT. 1444 LONG. 50°

6.5 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1111.47

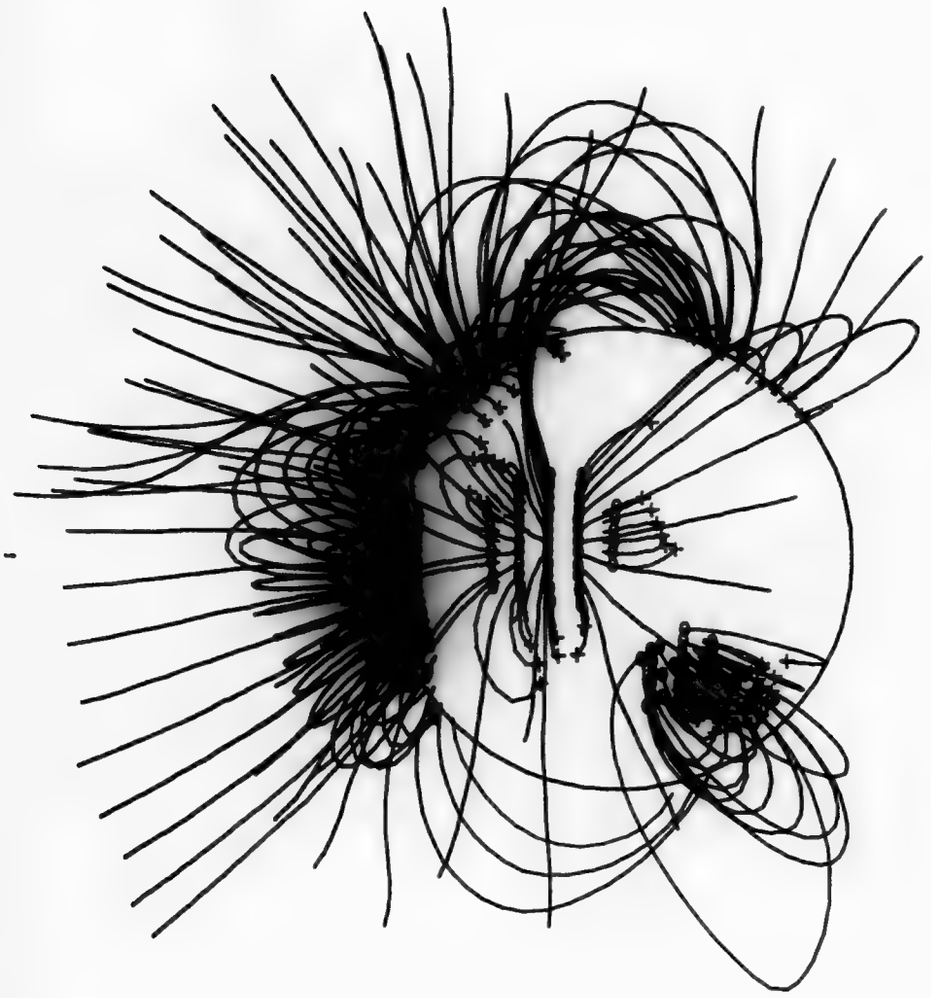
ROT. 1444 LONG. 40°

7.2 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

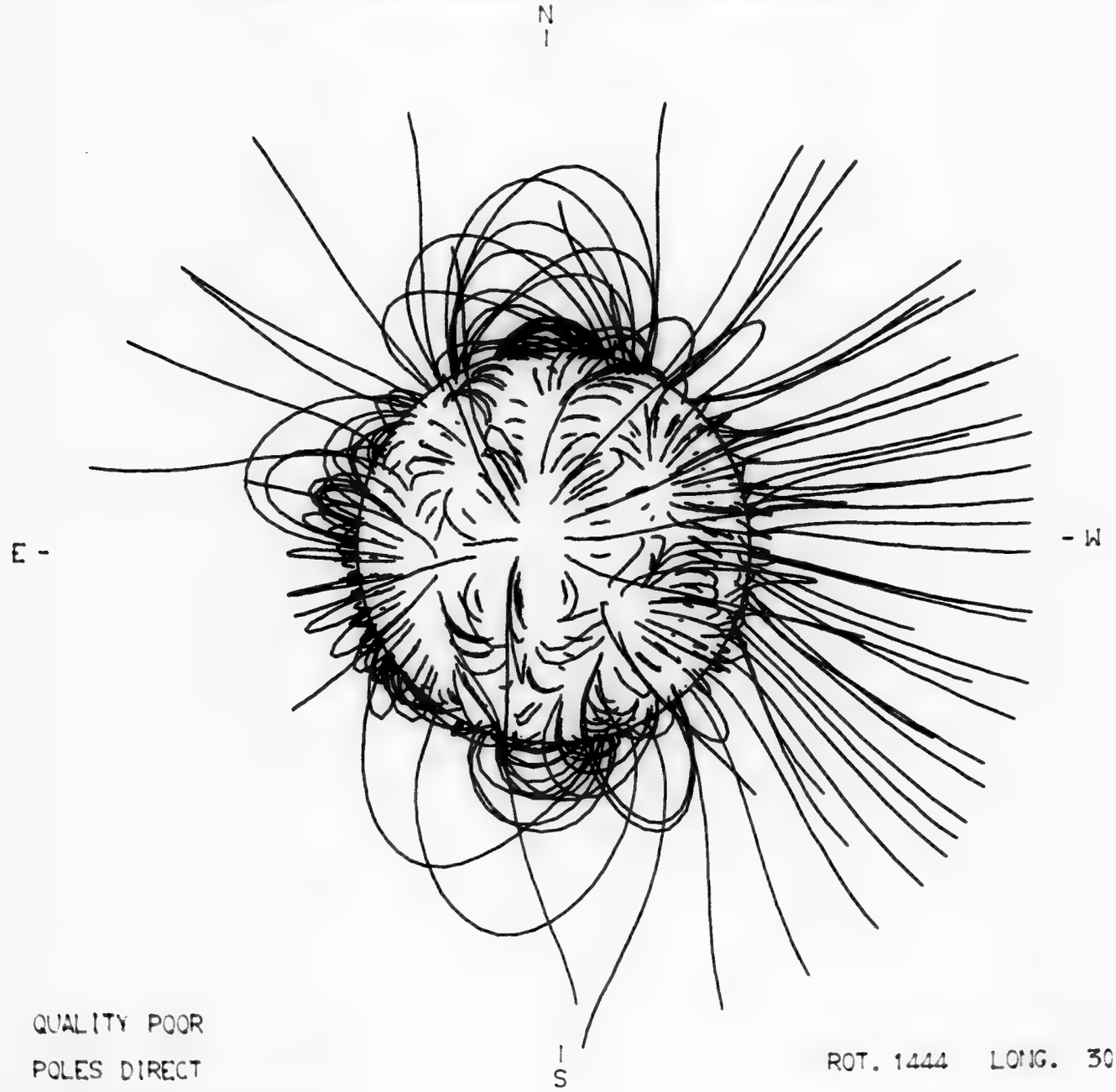
POLES DIRECT

DATA WINDOW 1444.47

ROT. 1444 LONG. 40°

7.2 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

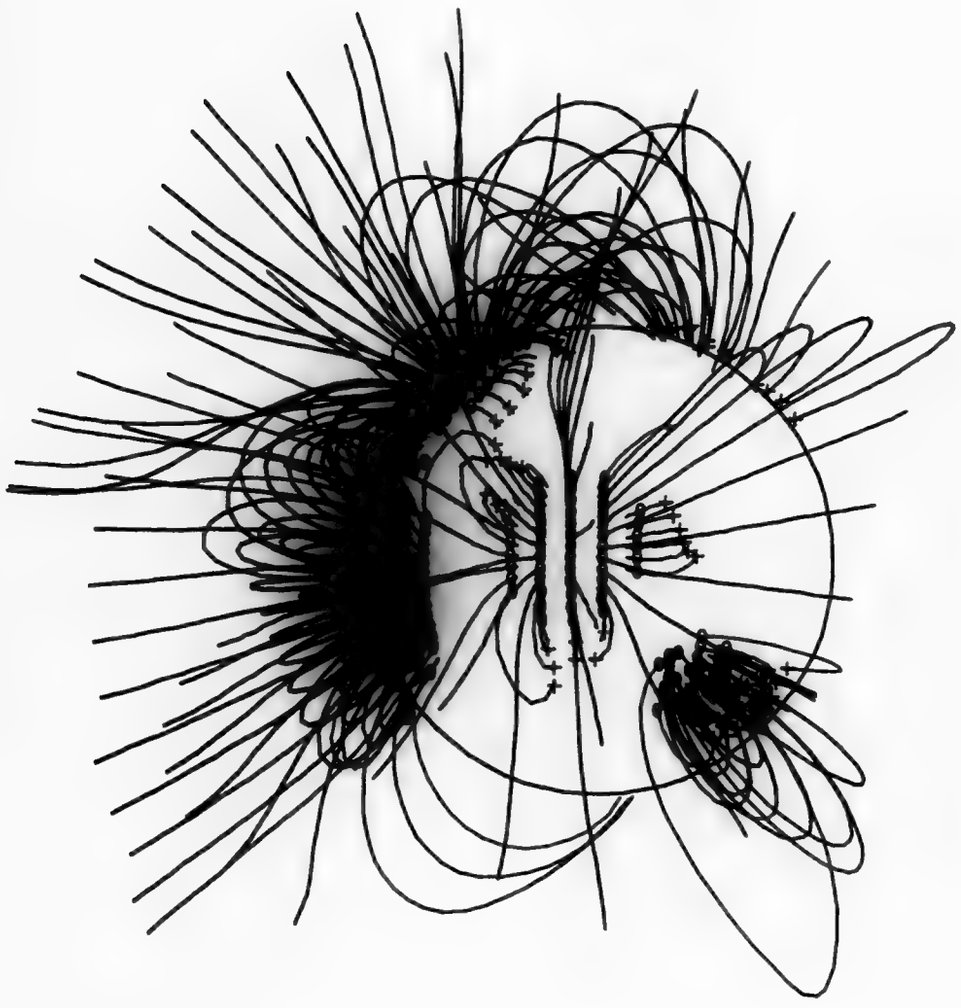
DATA WINDOW 1444.47

ROT. 1444 LONG. 30°

8.0 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

QUALITY POOR

POLES DIRECT

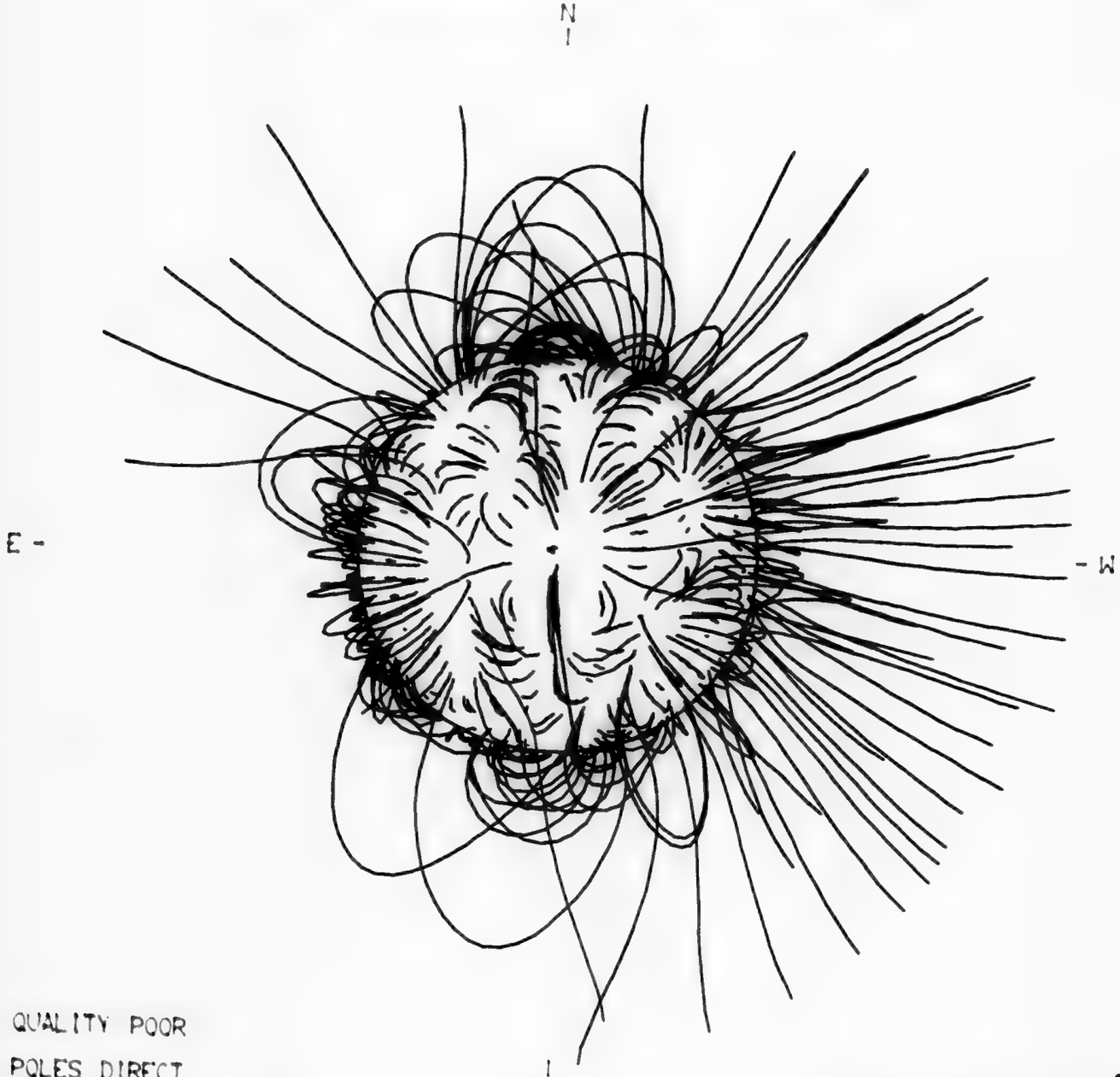
DATA WINDOW 1.111.17

S

ROT. 1444 LONG. 30°

8.0 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1444.47

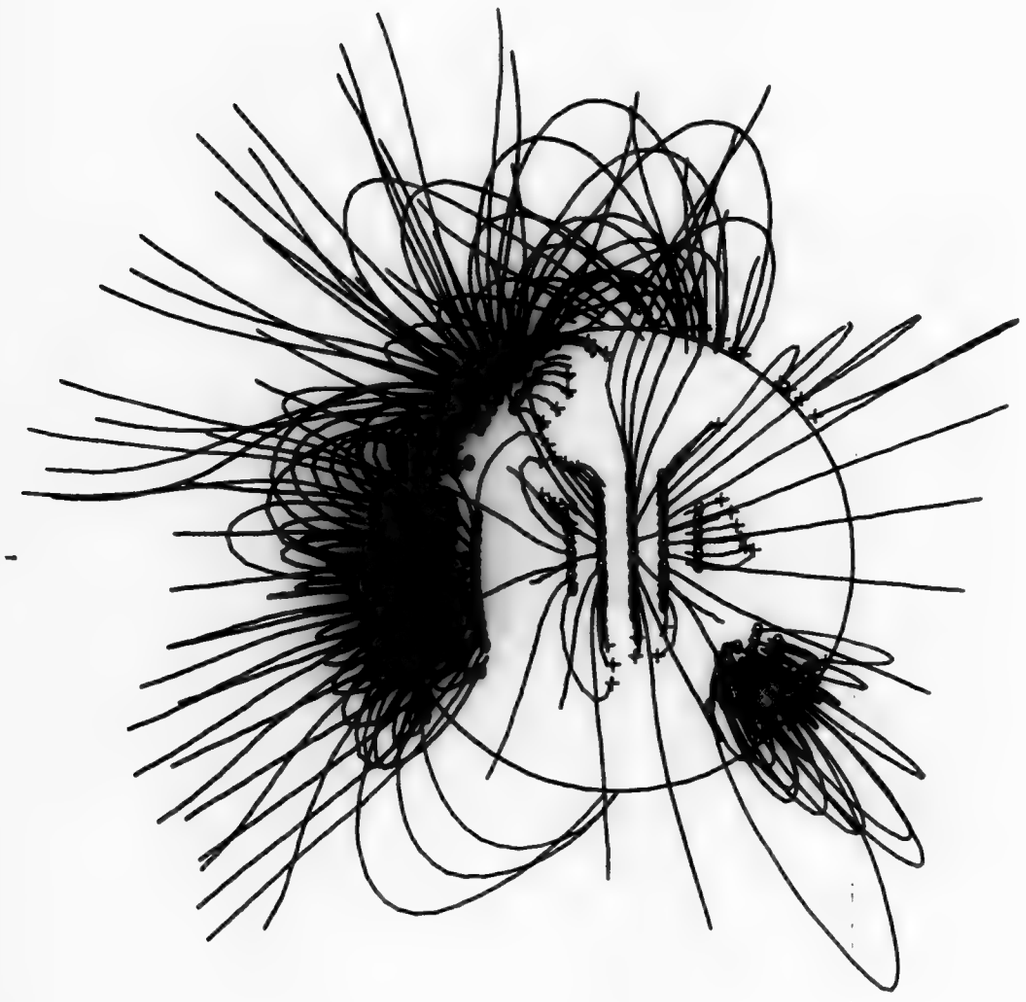
ROT. 1444 LONG. 20°

8.7 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

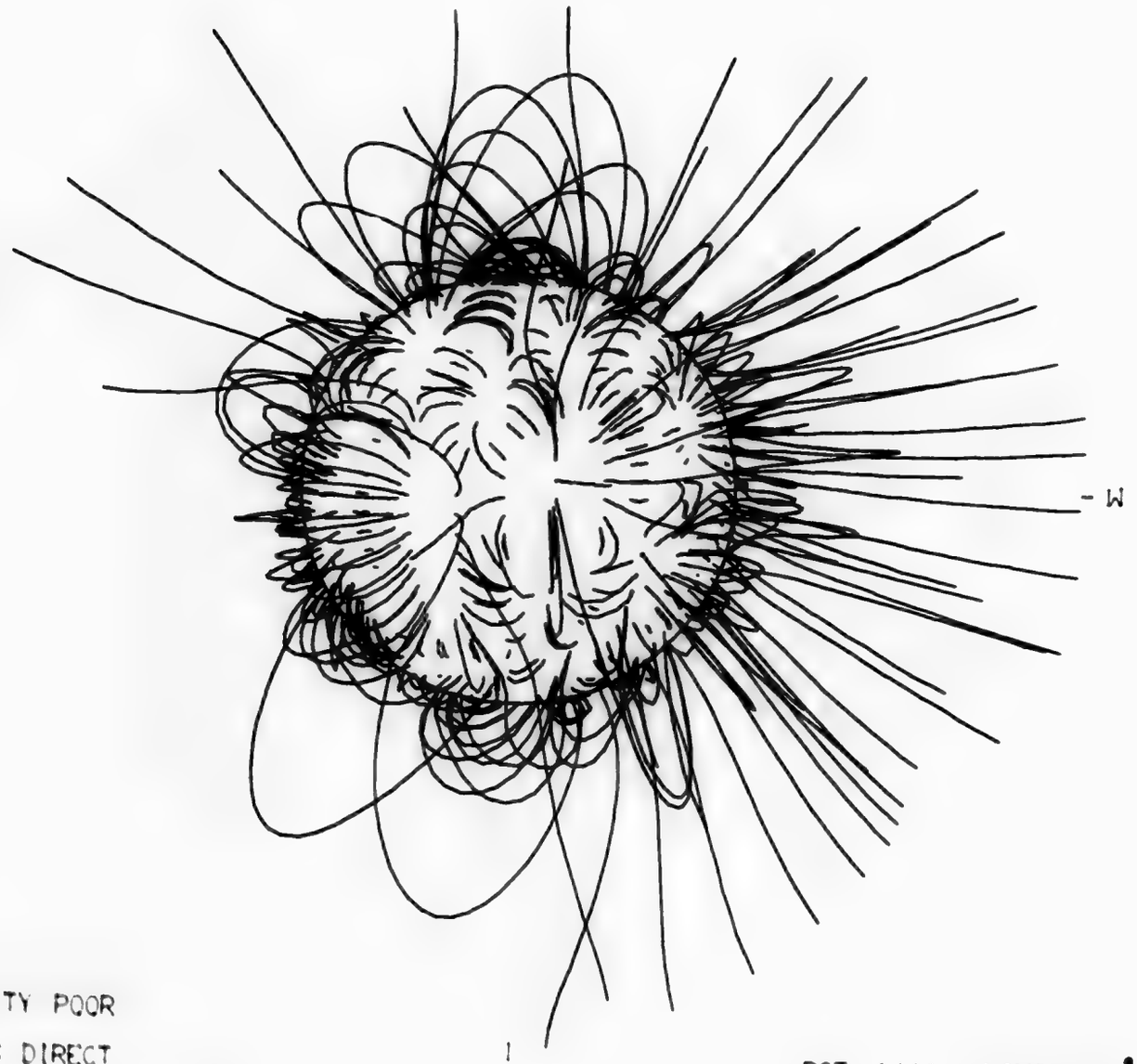
POLES DIRECT

DATA WINDOW 1111.47

ROT. 1444 LONG. 20°

8.7 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1444.47

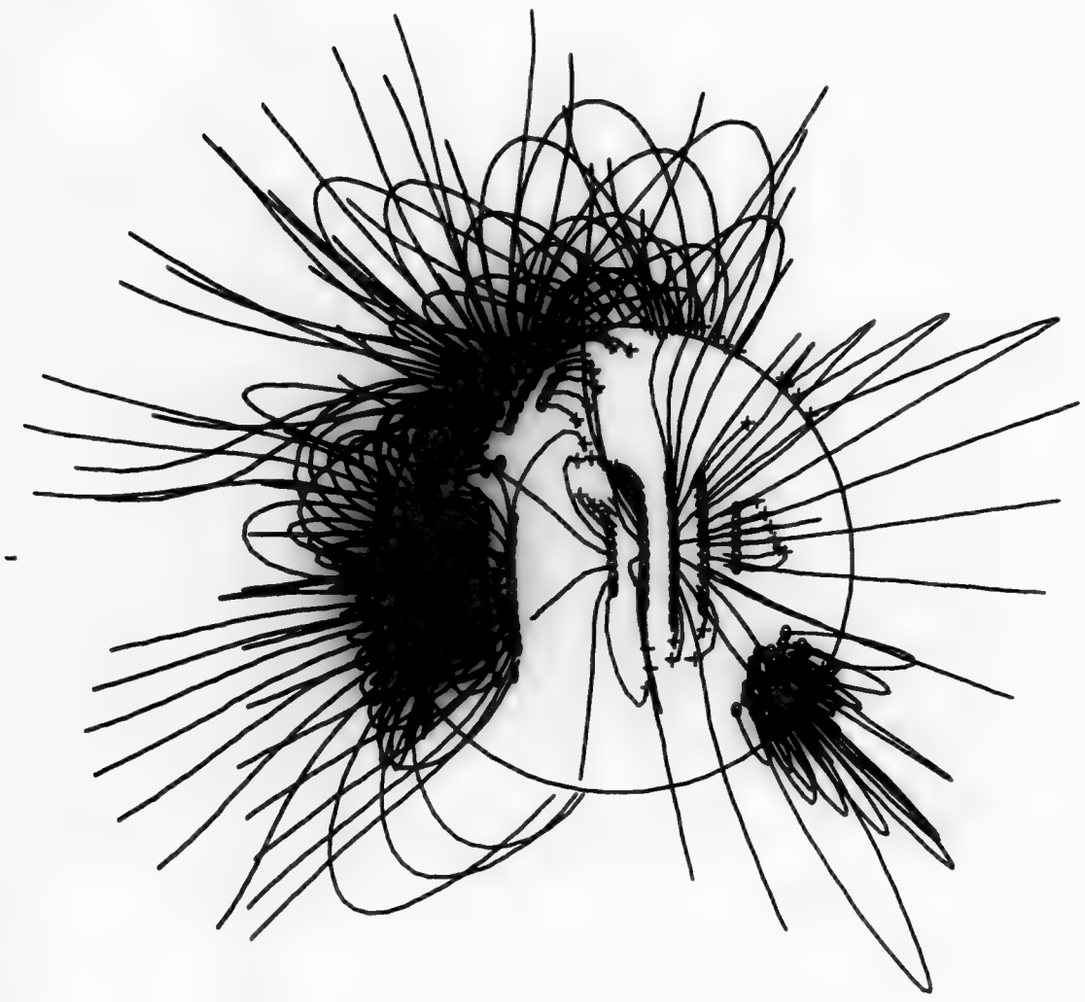
ROT. 1444 LONG. 10°

9.5 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

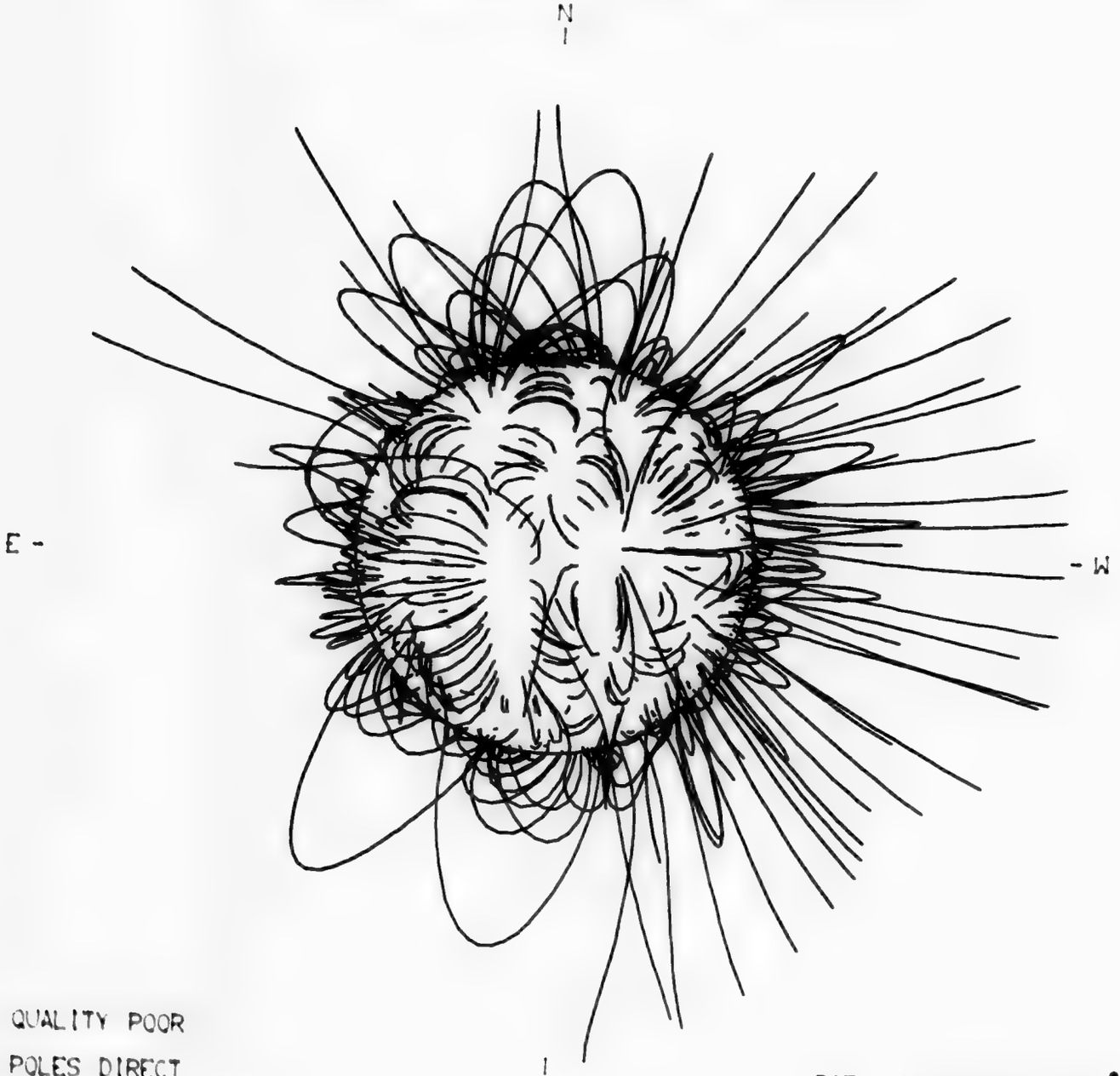
POLES DIRECT

DATA WINDOW 1444.47

ROT. 1444 LONG. 10°

9.5 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.1.1.47

ROT. 1444 LONG. 0°

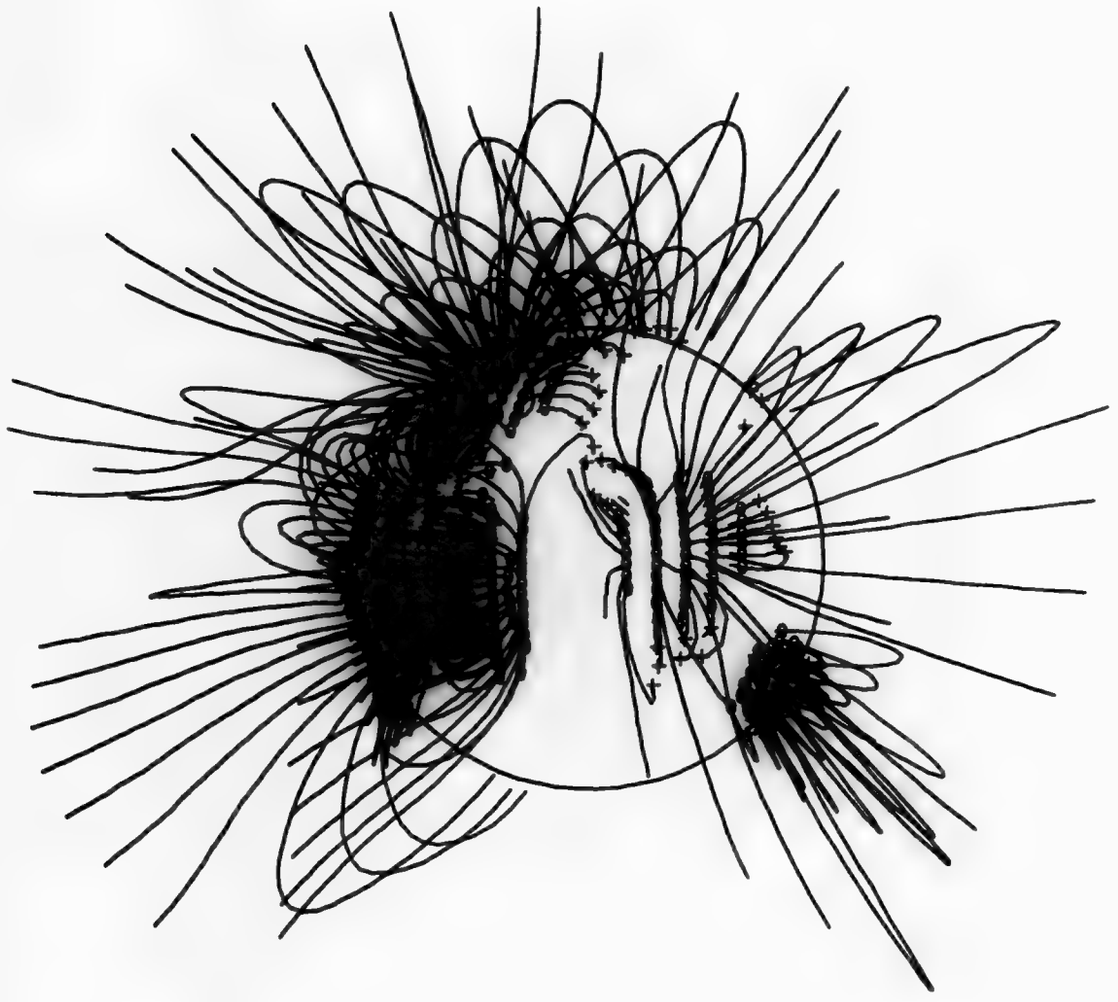
10.3 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1444.47

ROT. 1444 LONG. 0°

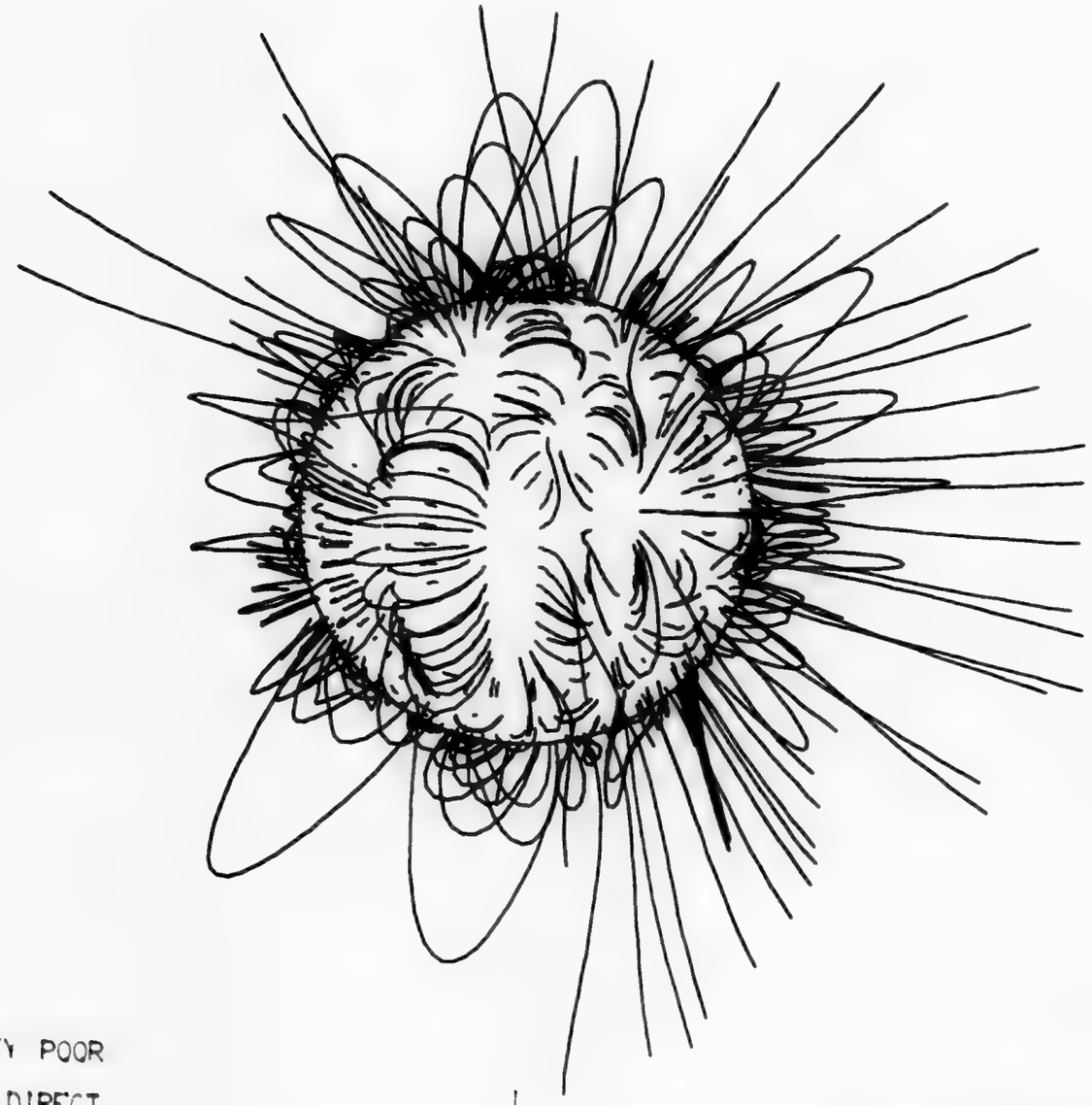
10.3 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1.1.1.47

ROT. 1445 LONG. 350°

11.0 SEP 1961

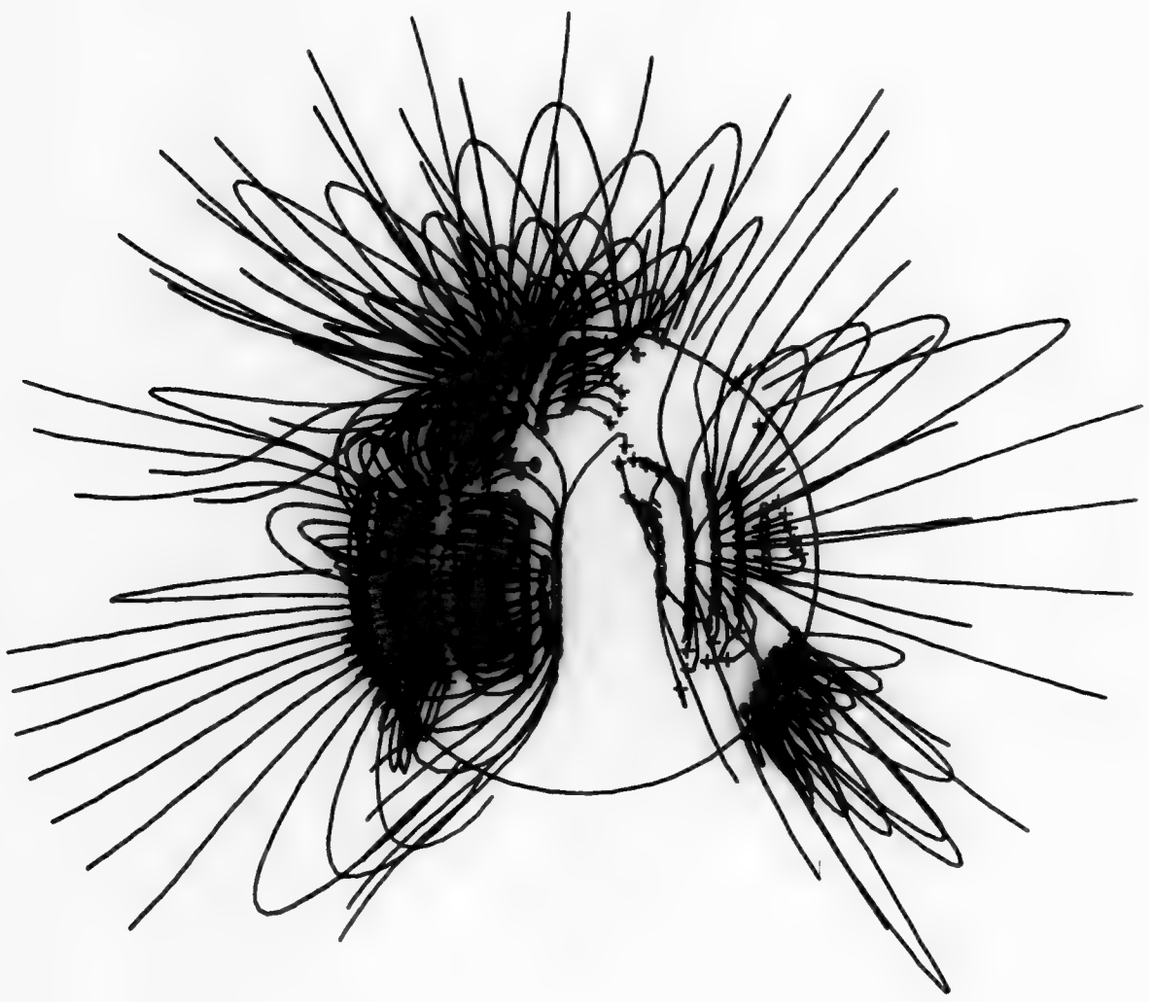
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

POLES DIRECT

DATA WINDOW 1444.47

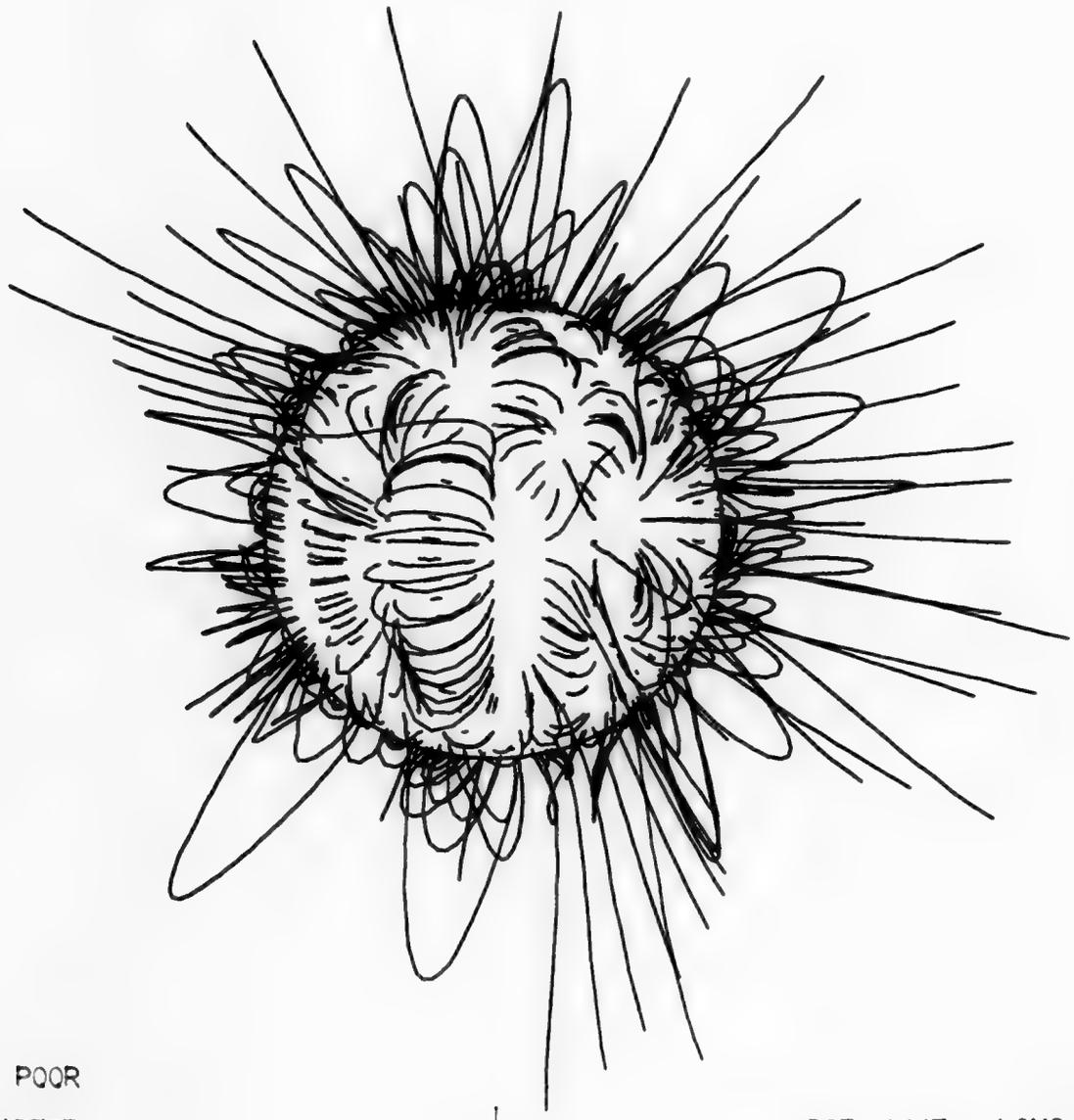
ROT. 1445 LONG. 350°

11.0 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1444.47

ROT. 1445 LONG. 340°

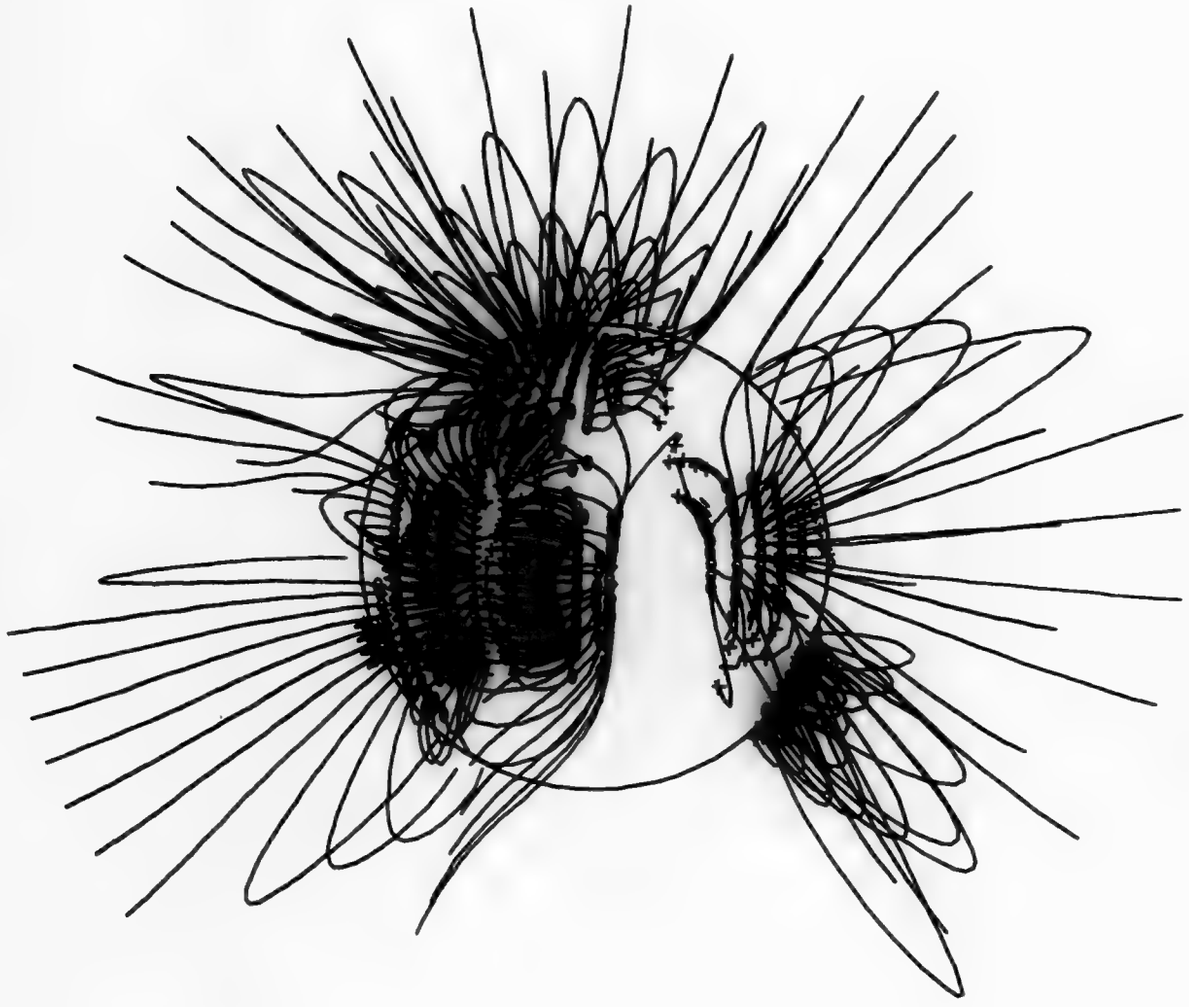
11.8 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1444.47

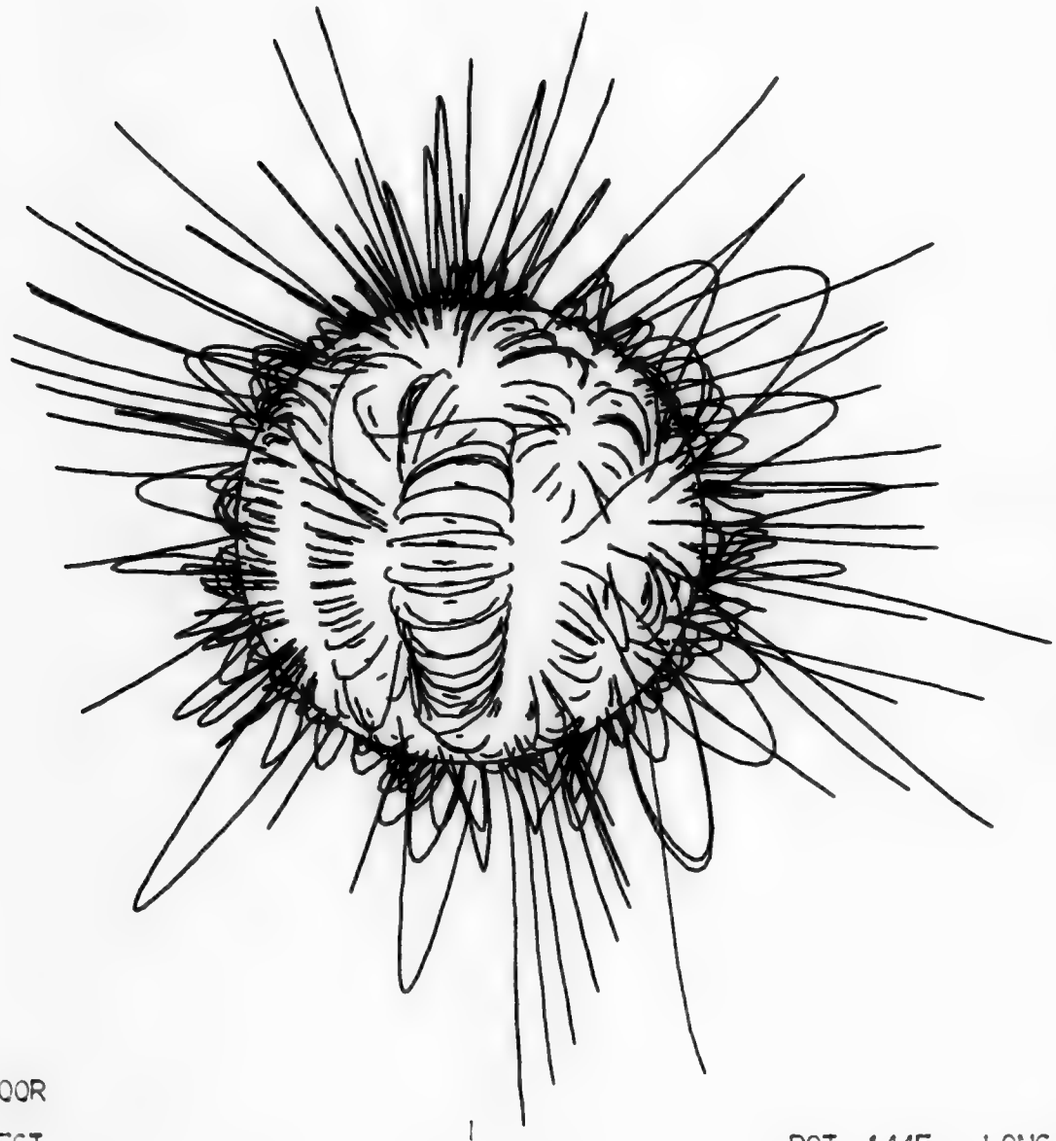
ROT. 1445 LONG. 340°

11.8 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1444.47

ROT. 1445 LONG. 330°

12.5 SEP 1961

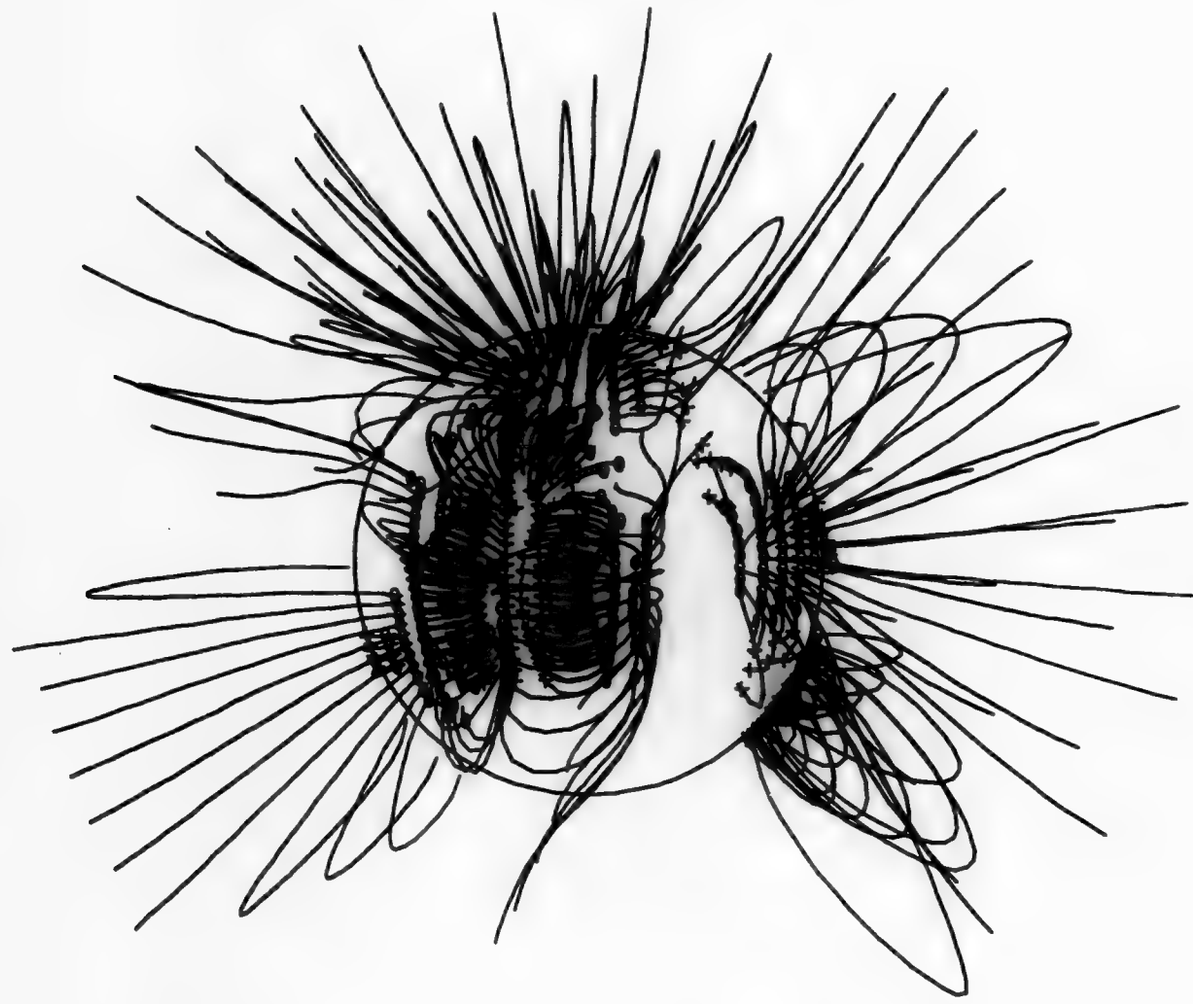
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

POLES DIRECT

DATA WINDOW 1111.47

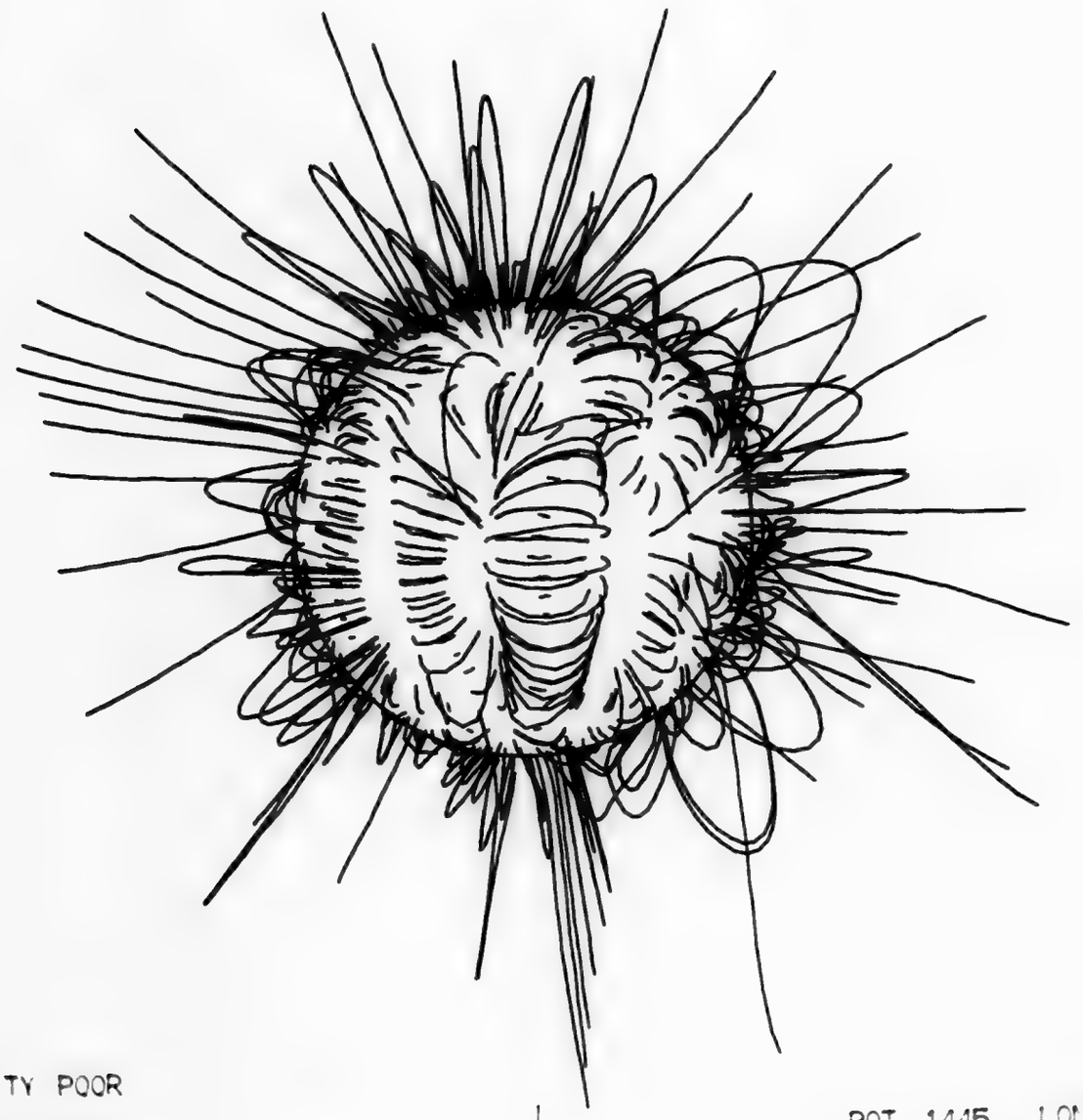
ROT. 1445 LONG. 330°

12.5 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1444.47

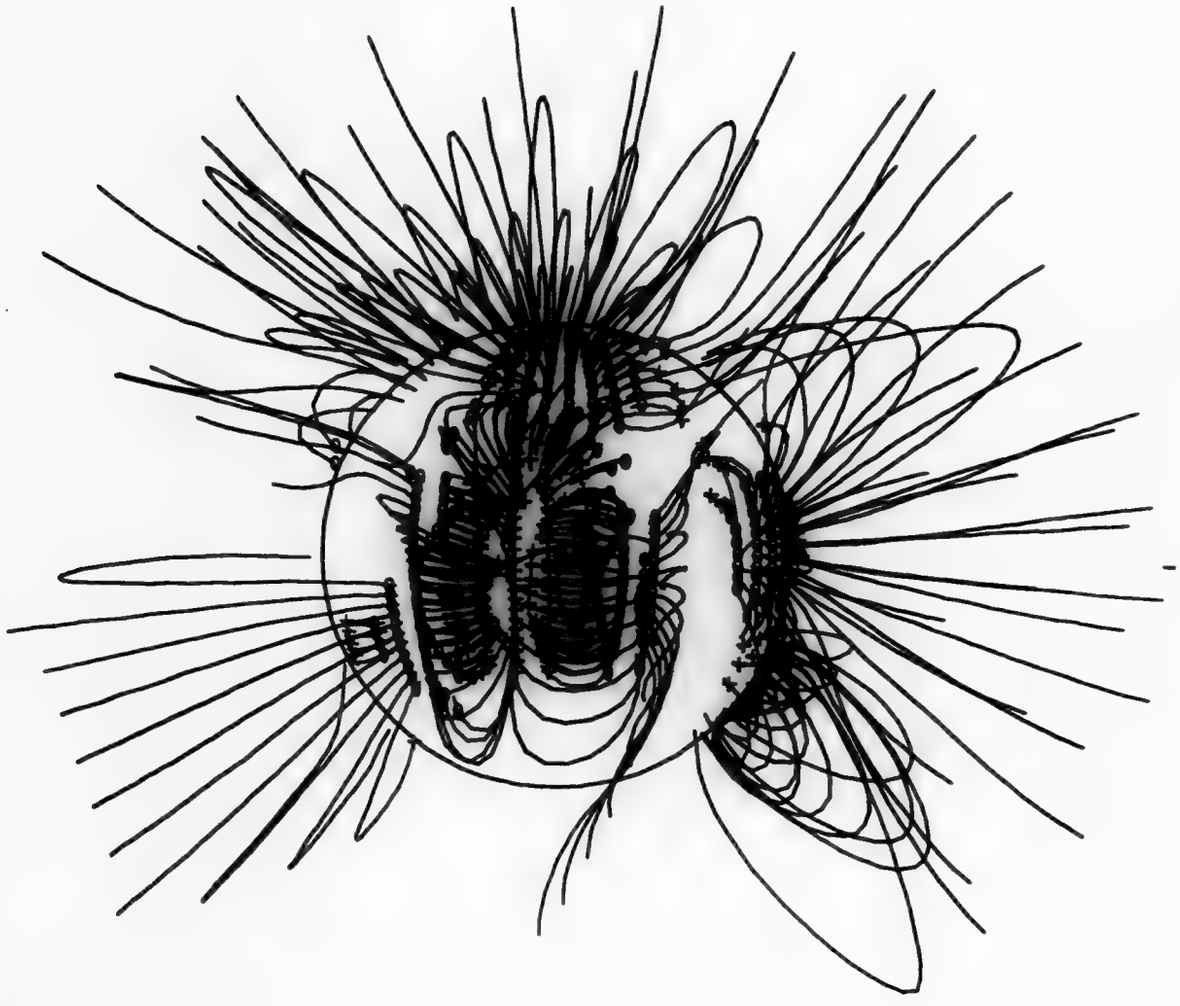
ROT. 1445 LONG. 320°

13.3 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

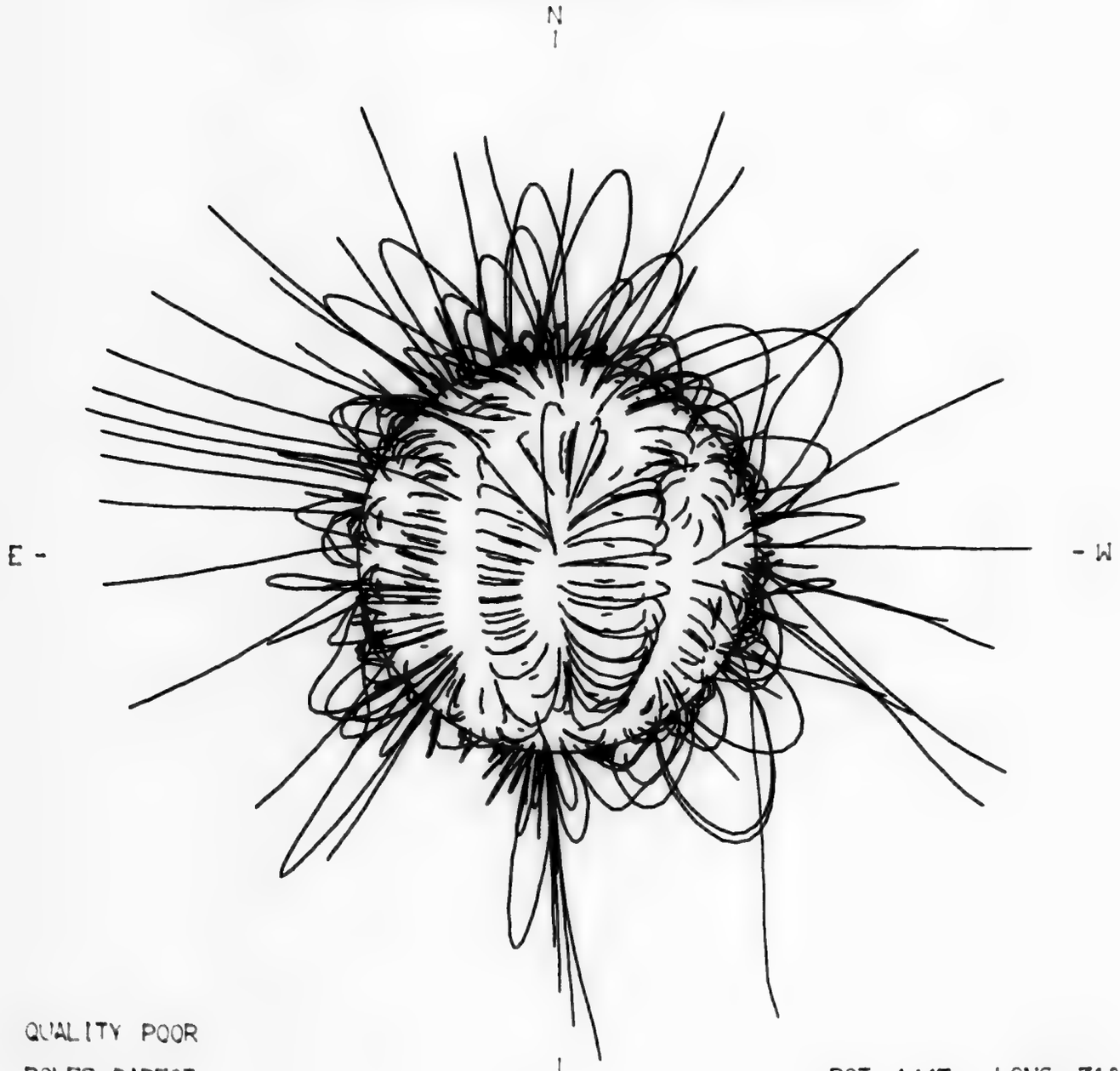
POLES DIRECT

DATA WINDOW 1444.47

ROT. 1445 LONG. 320°

13.3 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

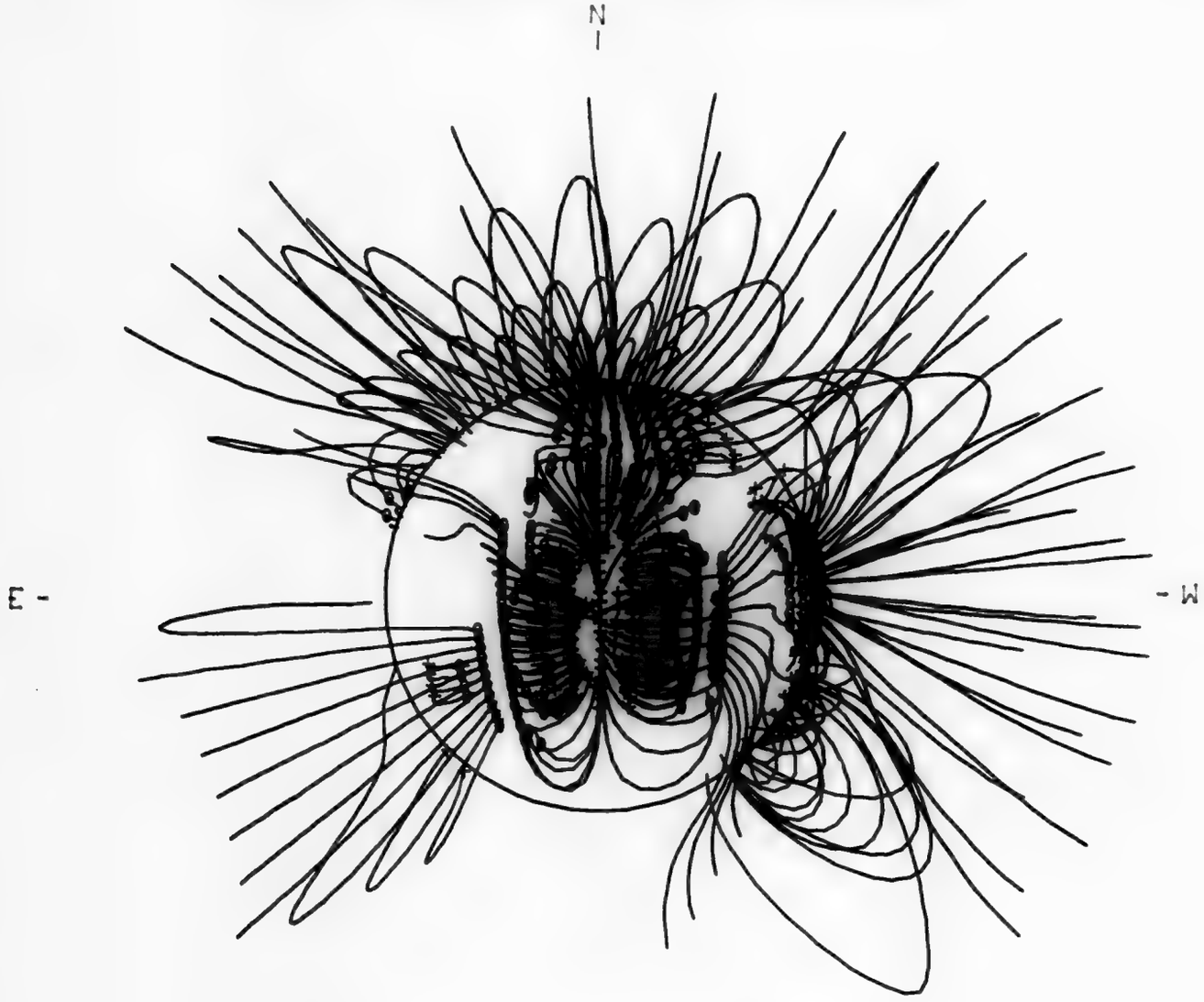
POLES DIRECT

DATA WINDOW 1444.47

ROT. 1445 LONG. 310°

14.0 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

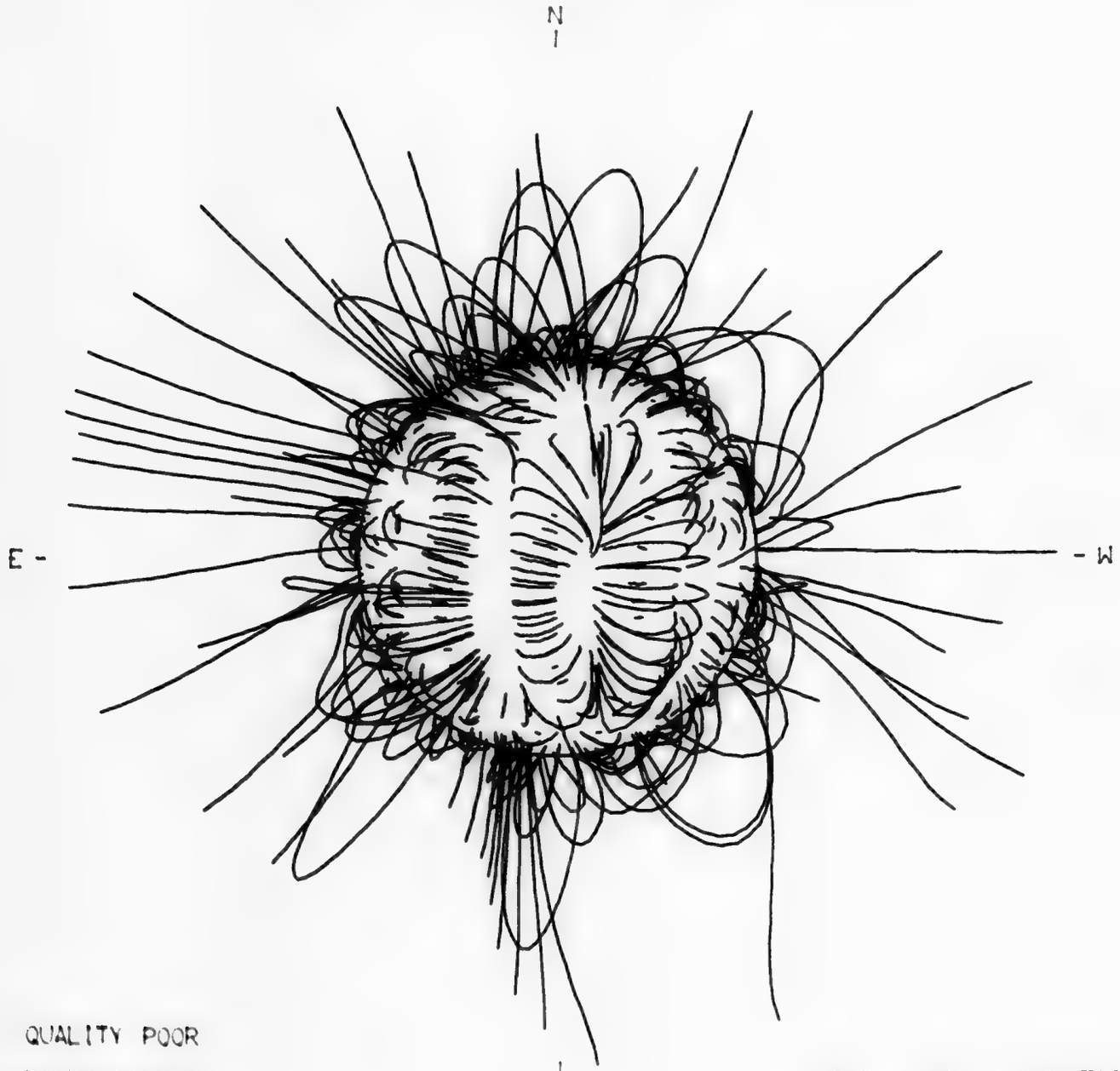
POLES DIRECT

DATA WINDOW 1444.47

ROT. 1445 LONG. 310°

14.0 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

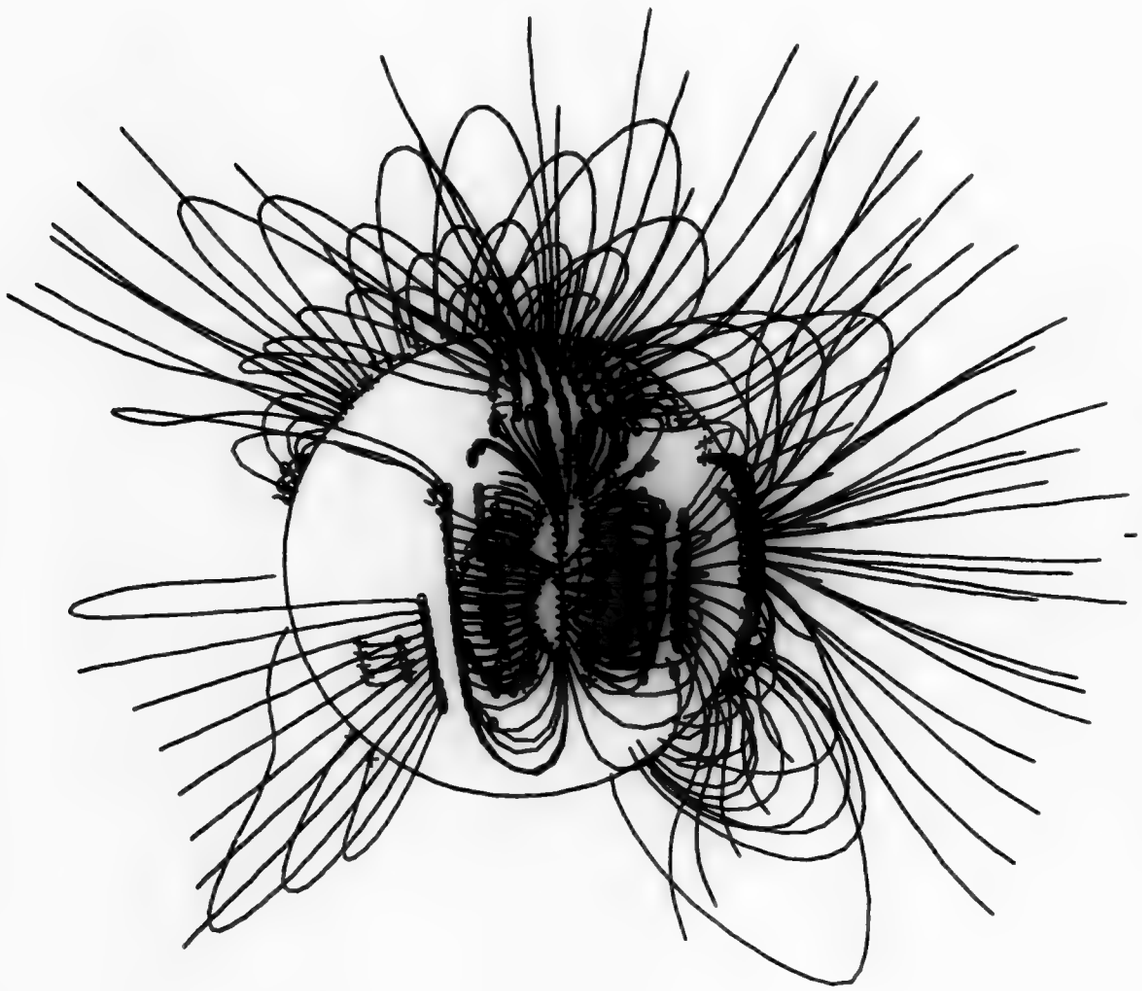
DATA WINDOW 1.111.47

ROT. 1445 LONG. 300°

14.8 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

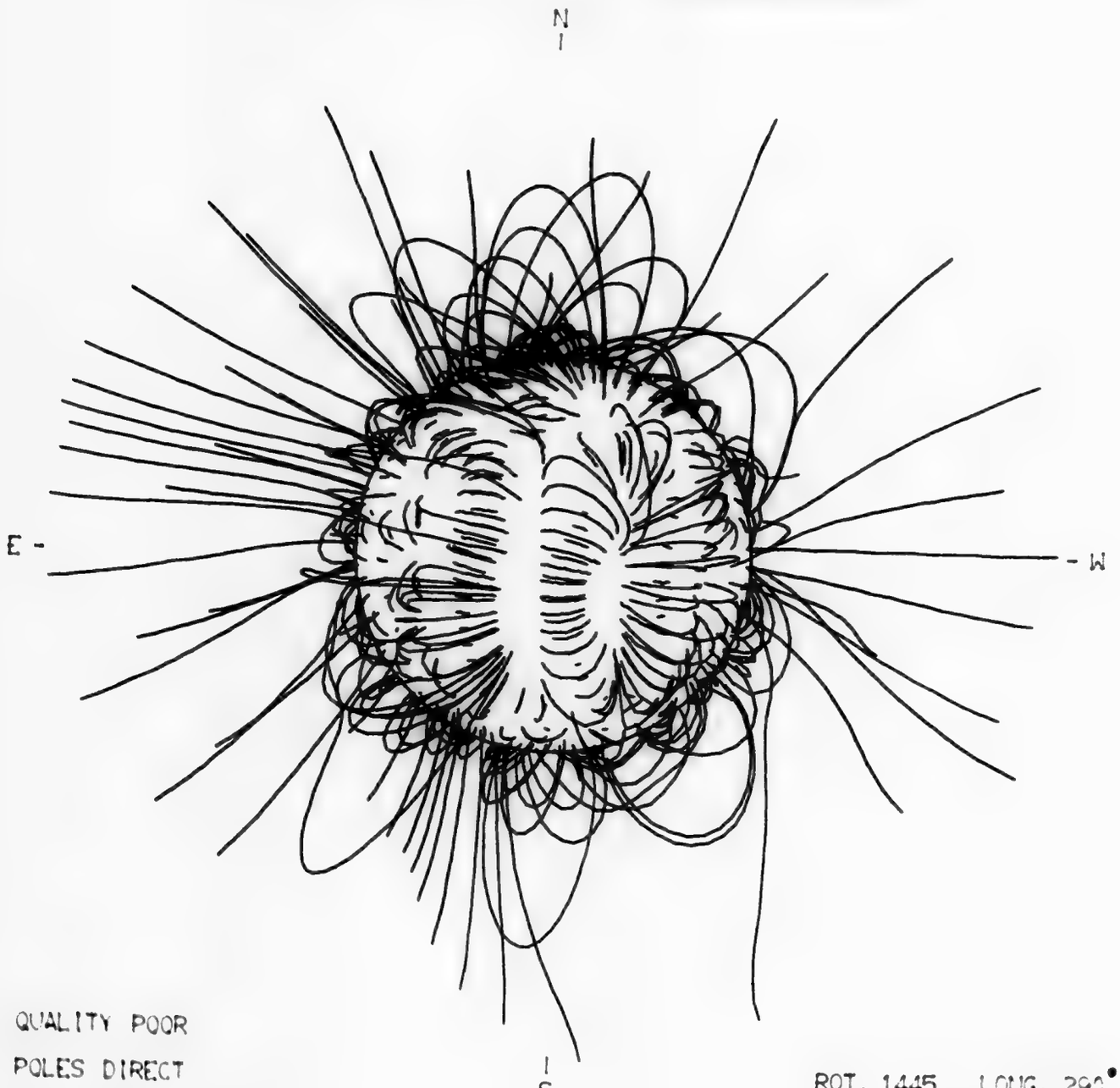
POLES DIRECT

DATA WINDOW 1.1.1.47

ROT. 1445 LONG. 300°

14.8 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.111,.17

ROT. 1445 LONG. 290°

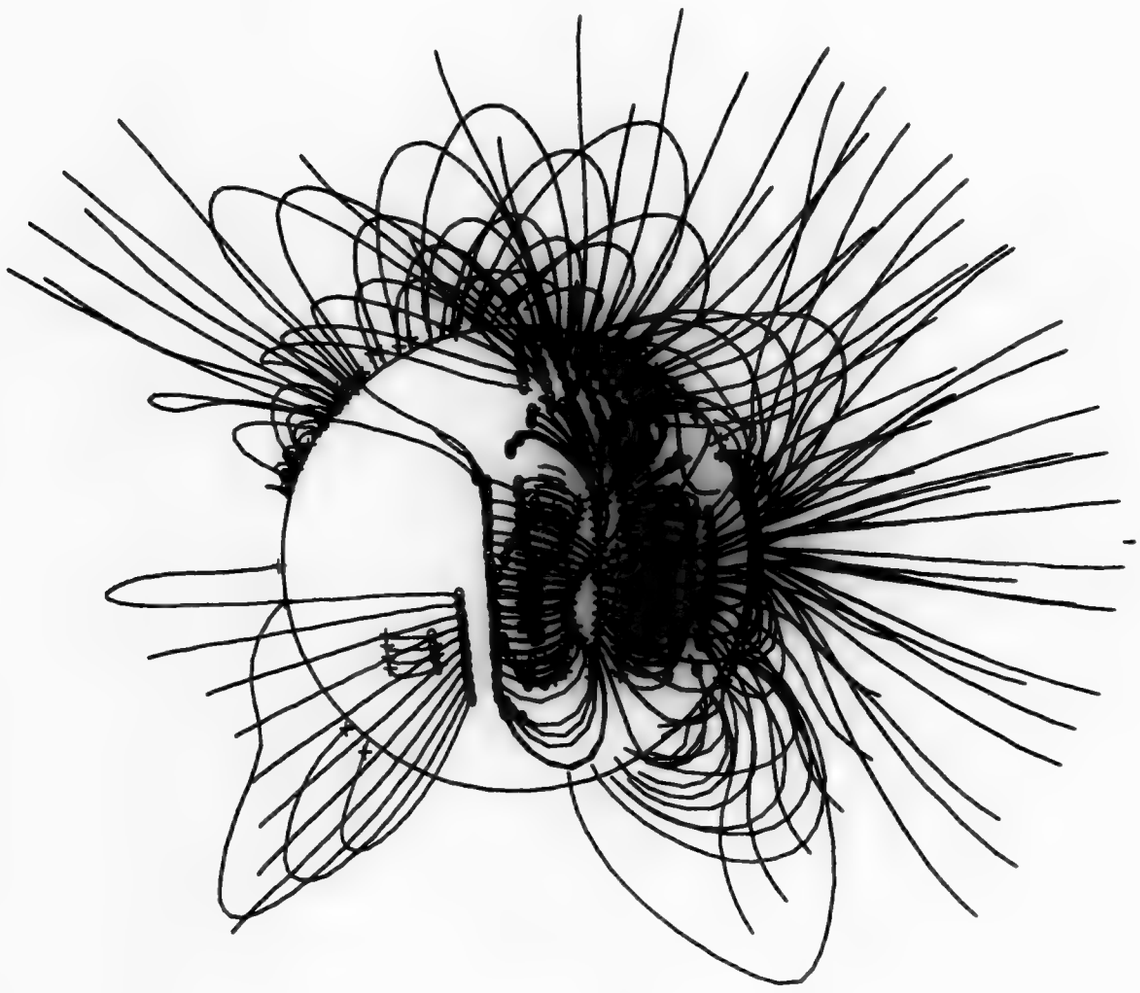
15.6 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

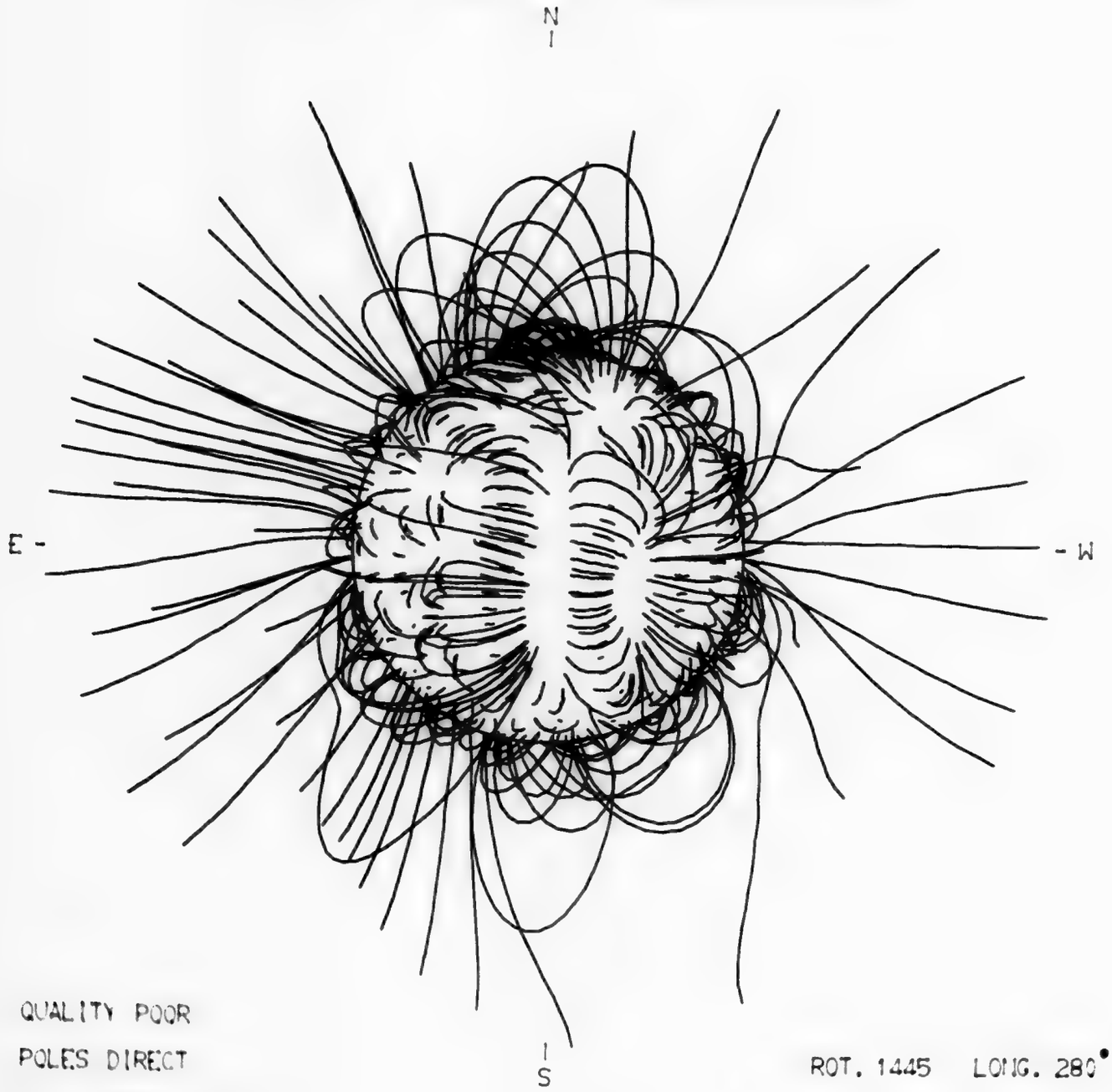
POLES DIRECT

DATA WINDOW 1.... 7

ROT. 1445 LONG. 290°

15.6 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1444.47

ROT. 1445 LONG. 280°

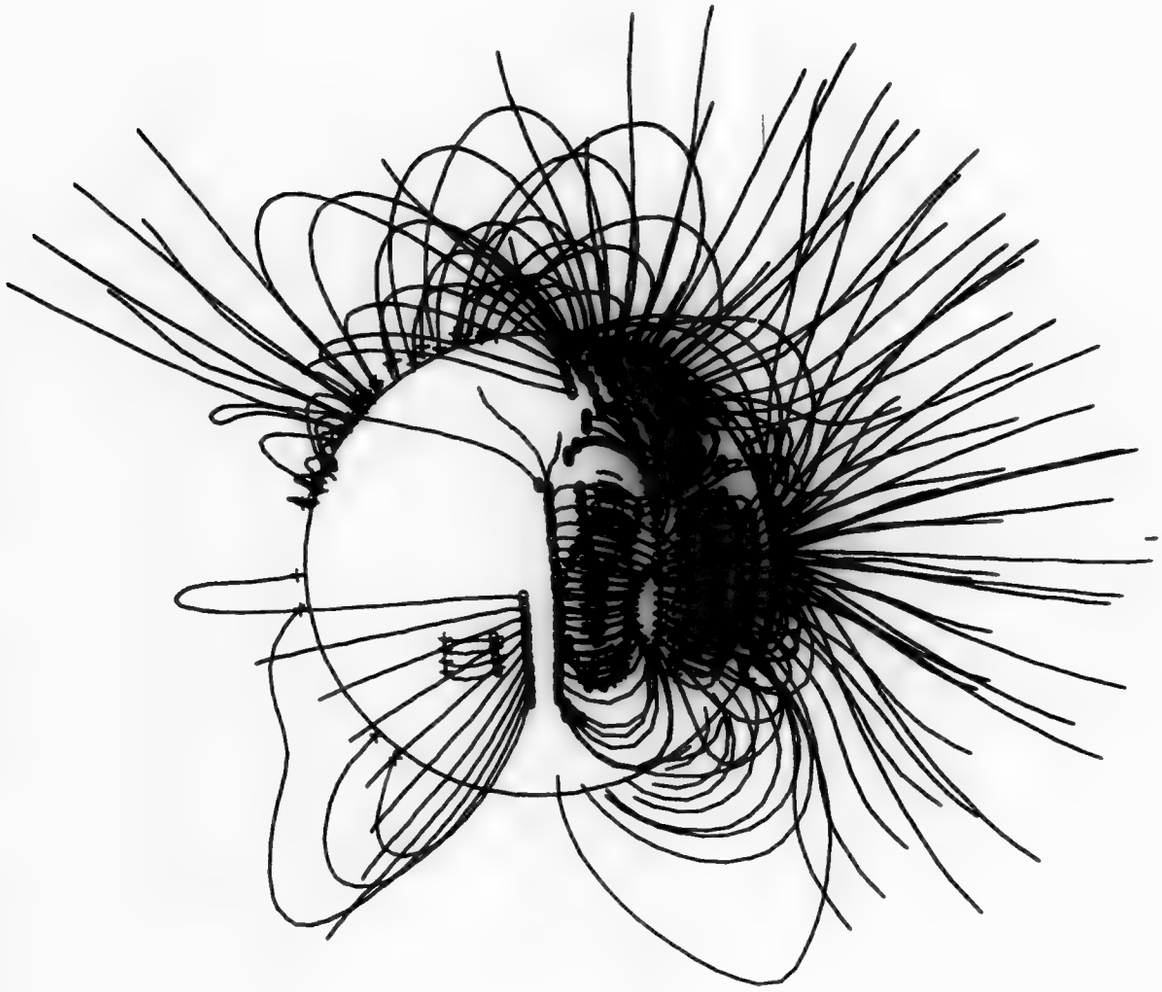
16.3 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

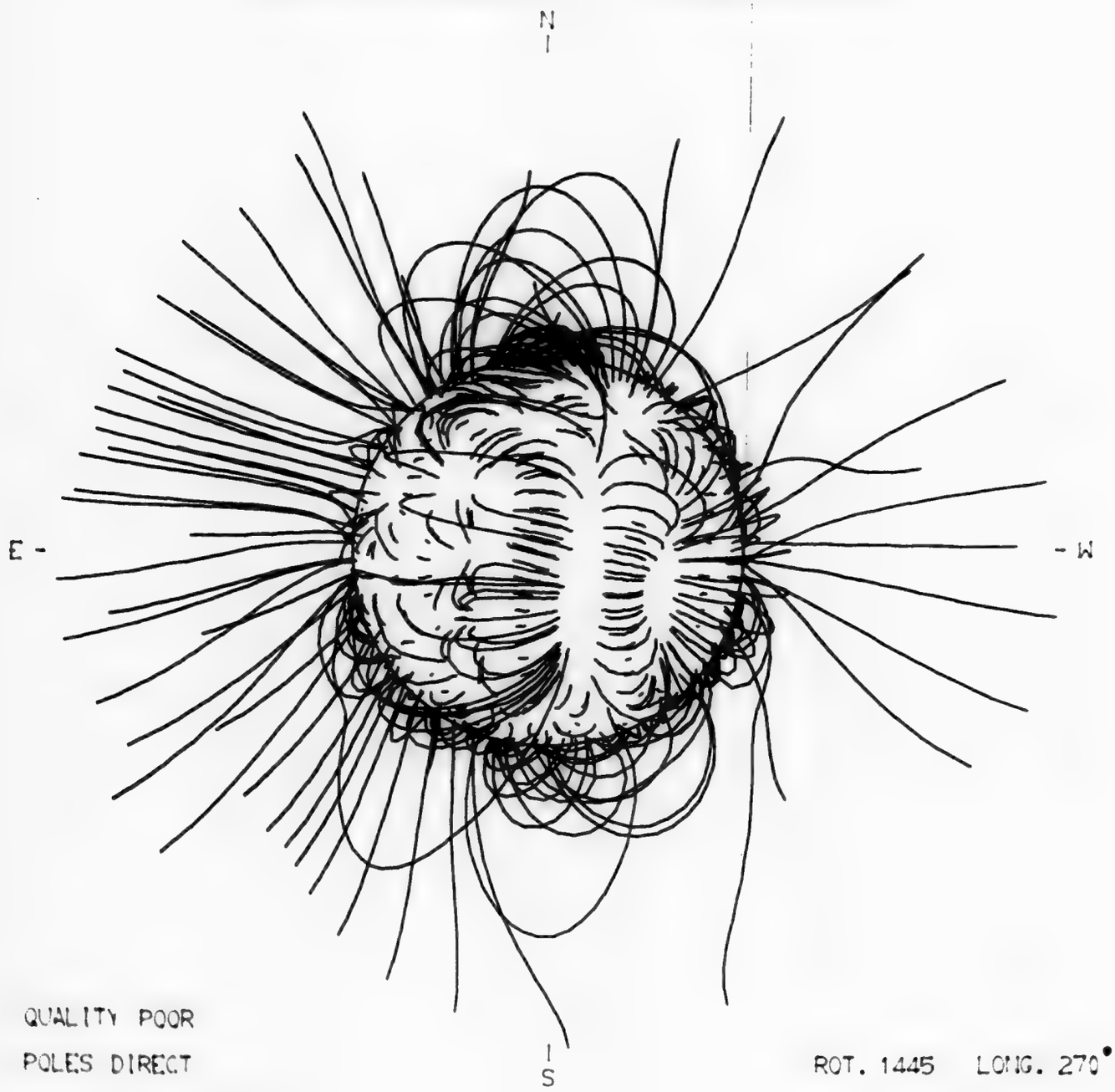
POLES DIRECT

DATA WINDOW 1111.47

ROT. 1445 LONG. 280°

16.3 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.1.1.47

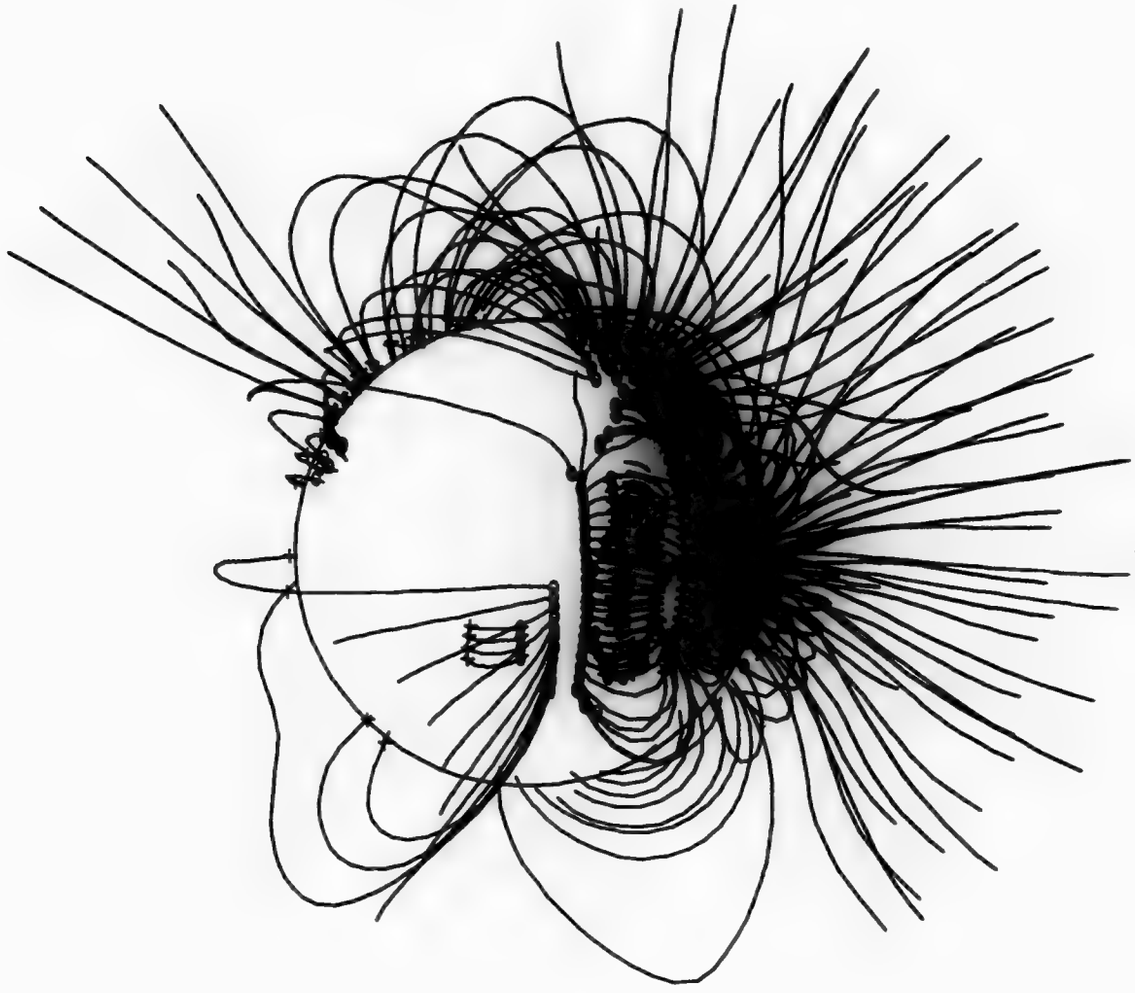
ROT. 1445 LONG. 270°

17.1 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

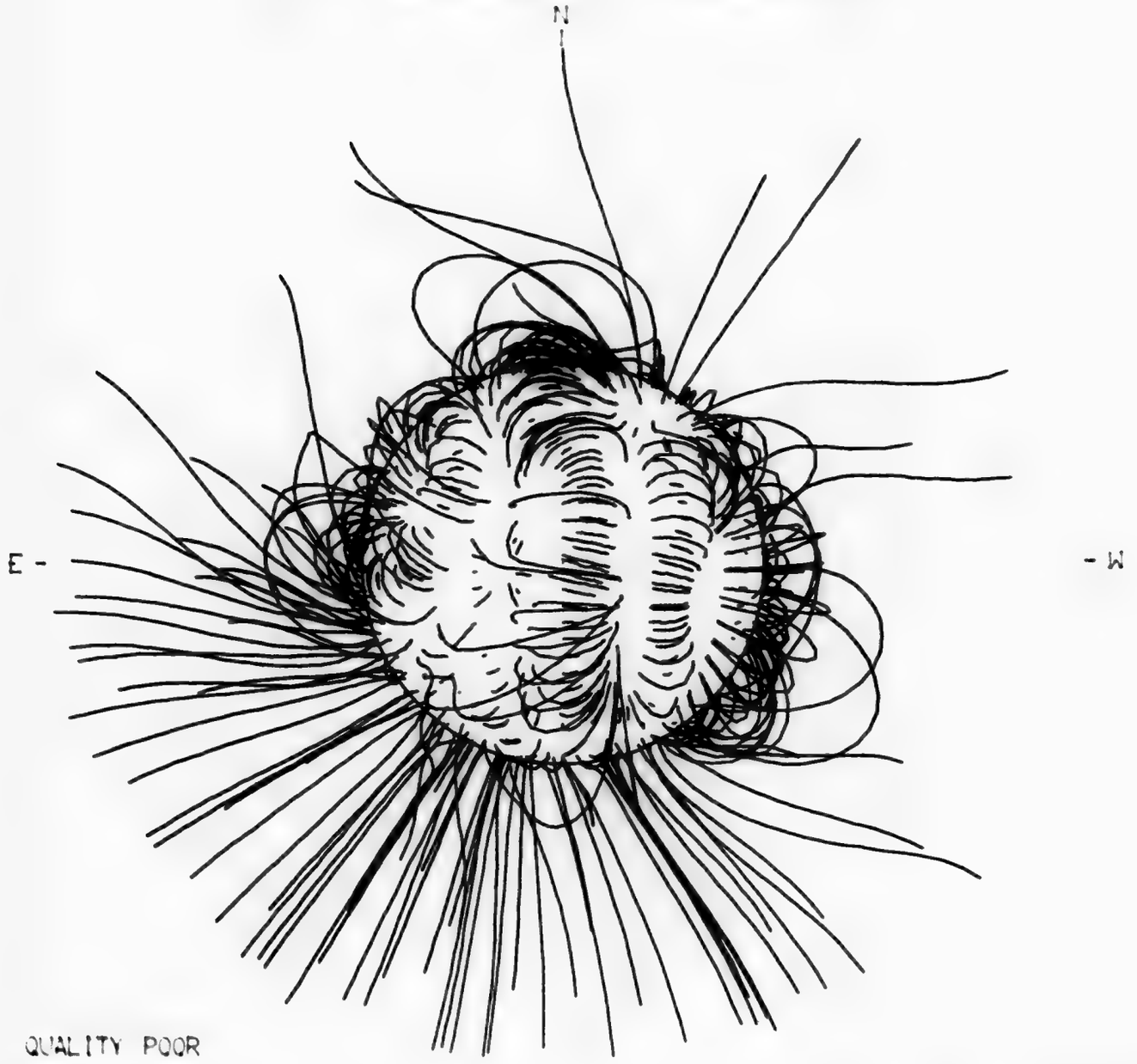
POLES DIRECT

DATA WINDOW 1444.47

ROT. 1445 LONG. 270°

17.1 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.00

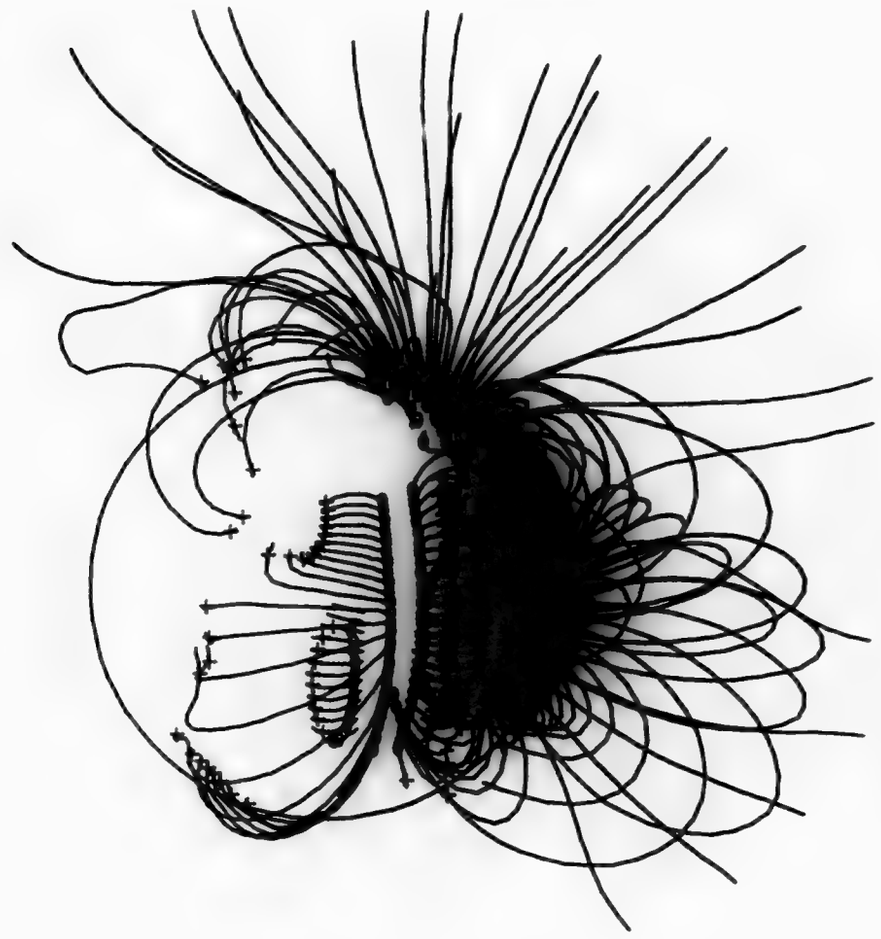
ROT. 1445 LONG. 260°

17.8 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

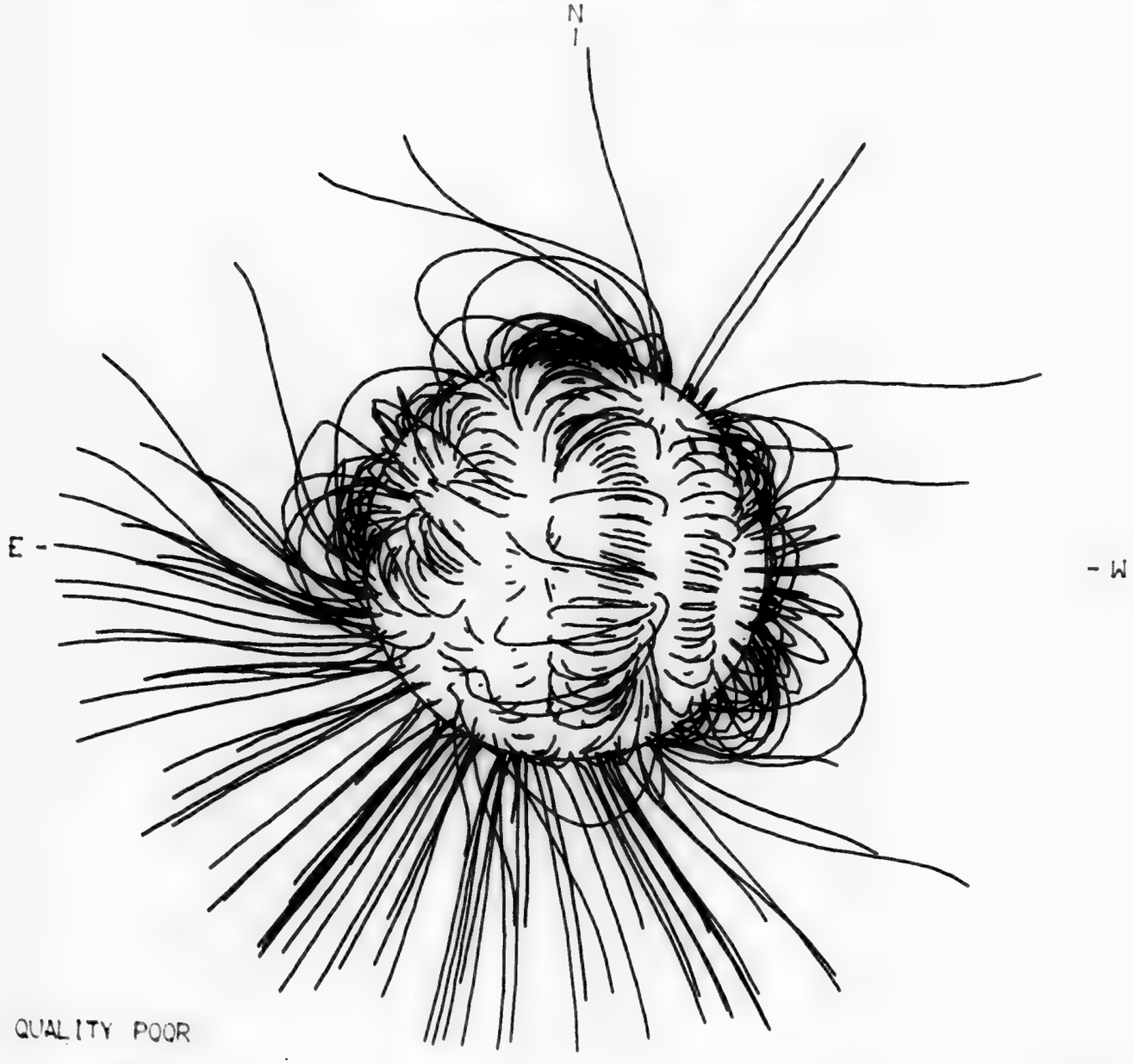
POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 260°

17.8 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.445.00

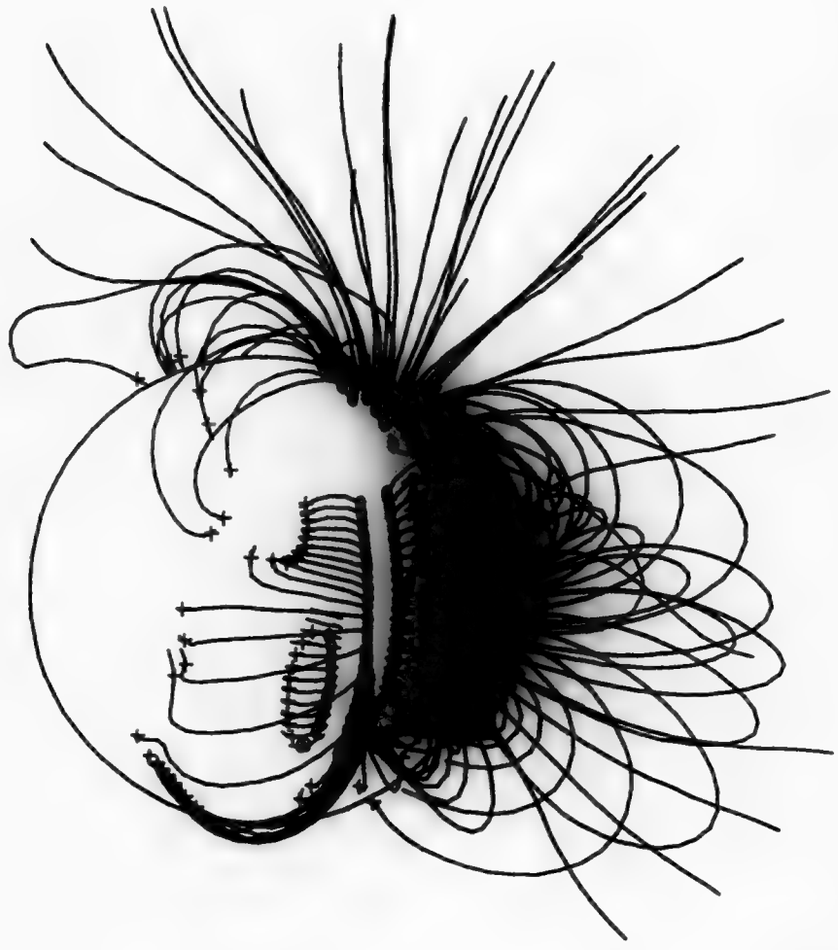
ROT. 1445 LONG. 250°

18.6 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

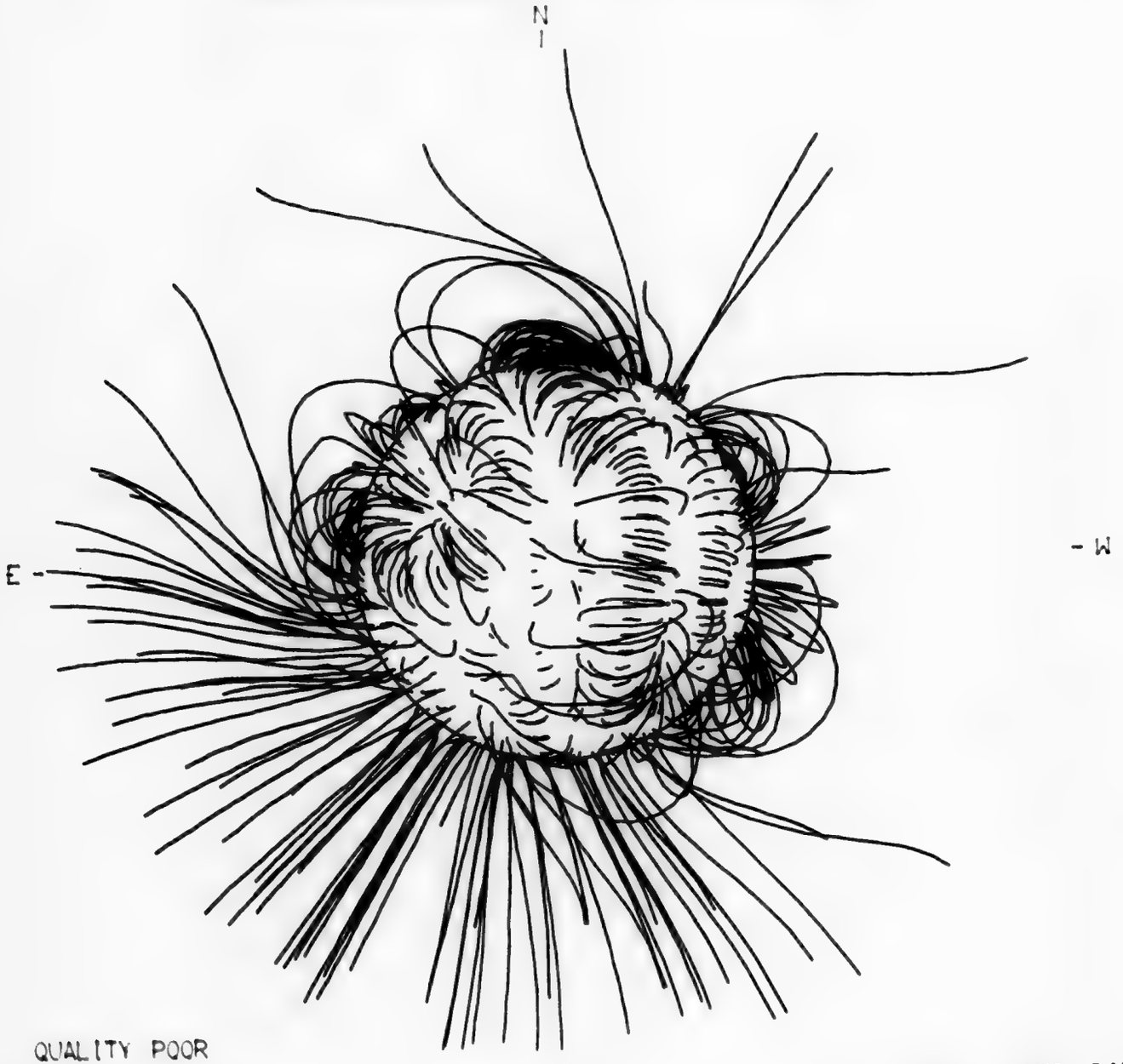
POLES DIRECT

DATA WINDOW 1.1.15.00

ROT. 1445 LONG. 250°

18.6 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.00

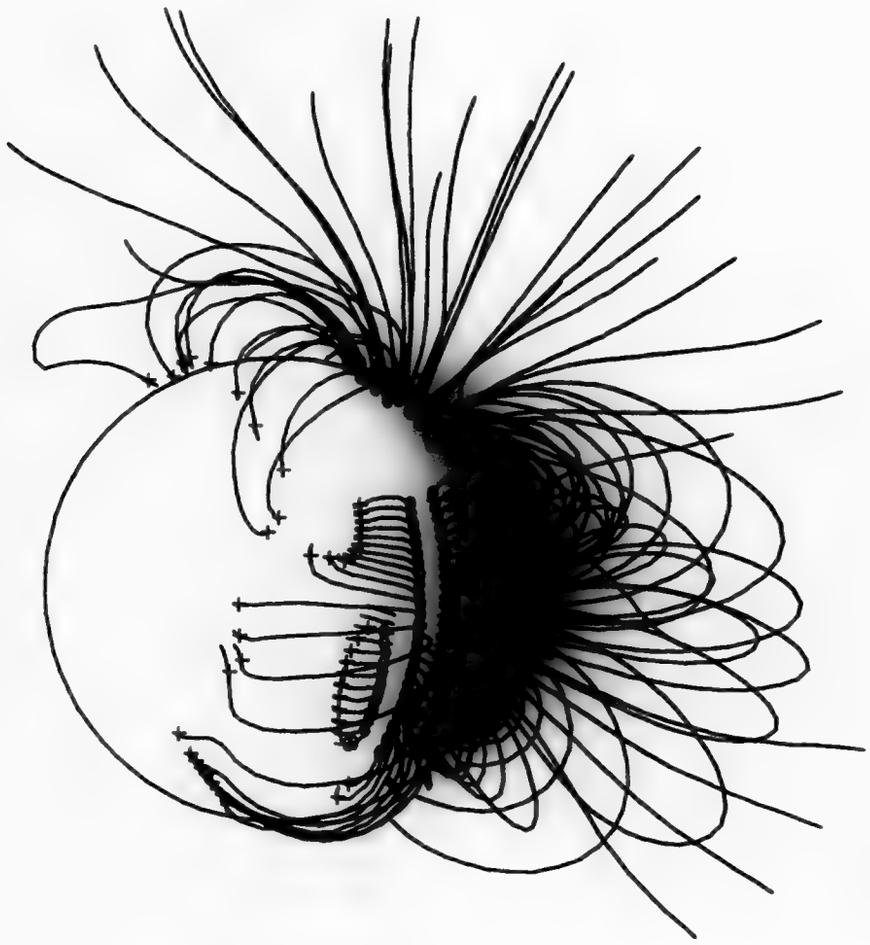
ROT. 1445 LONG. 240°

19.3 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

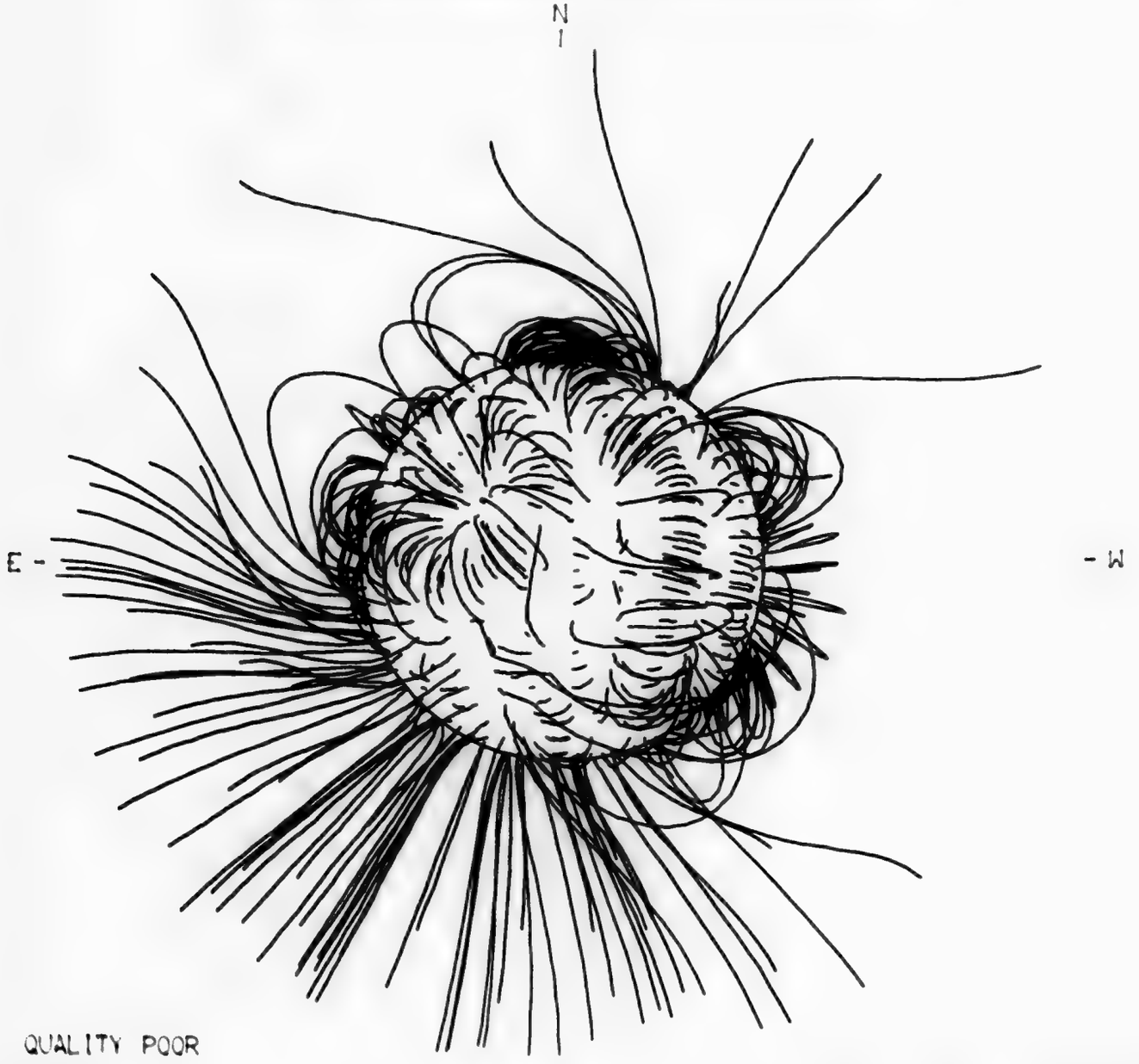
POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 240°

19.3 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.00

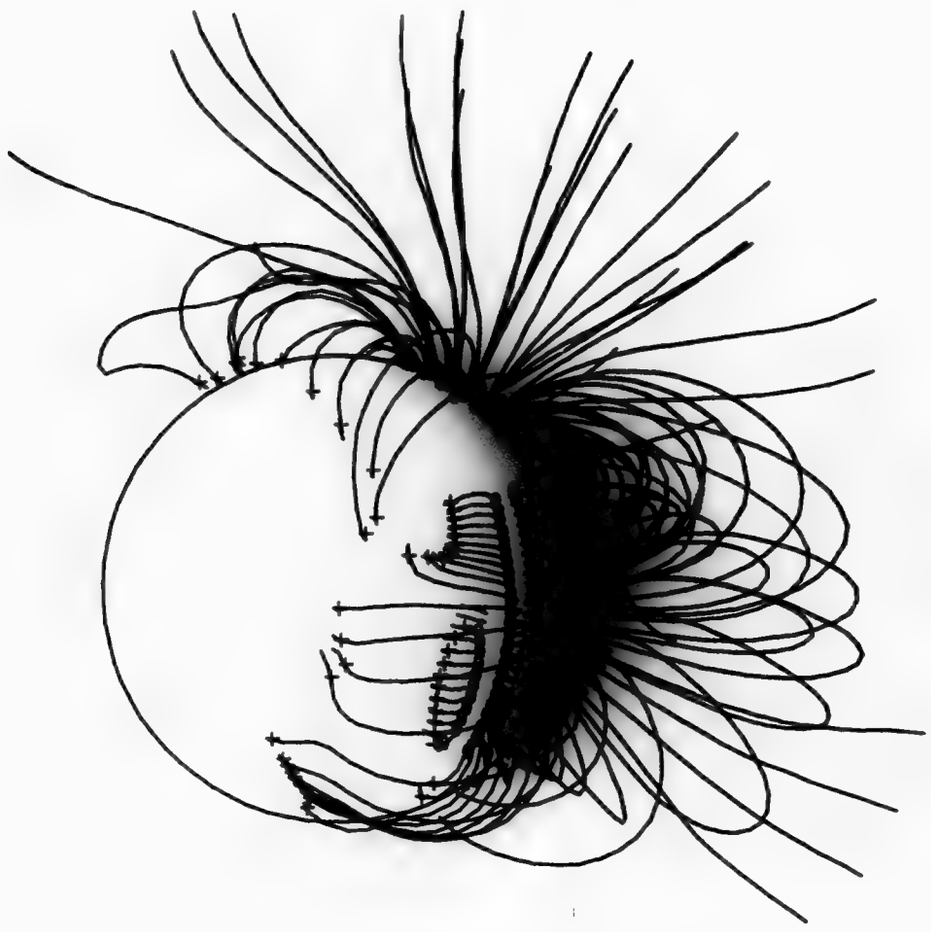
ROT. 1445 LONG. 230°

20.1 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

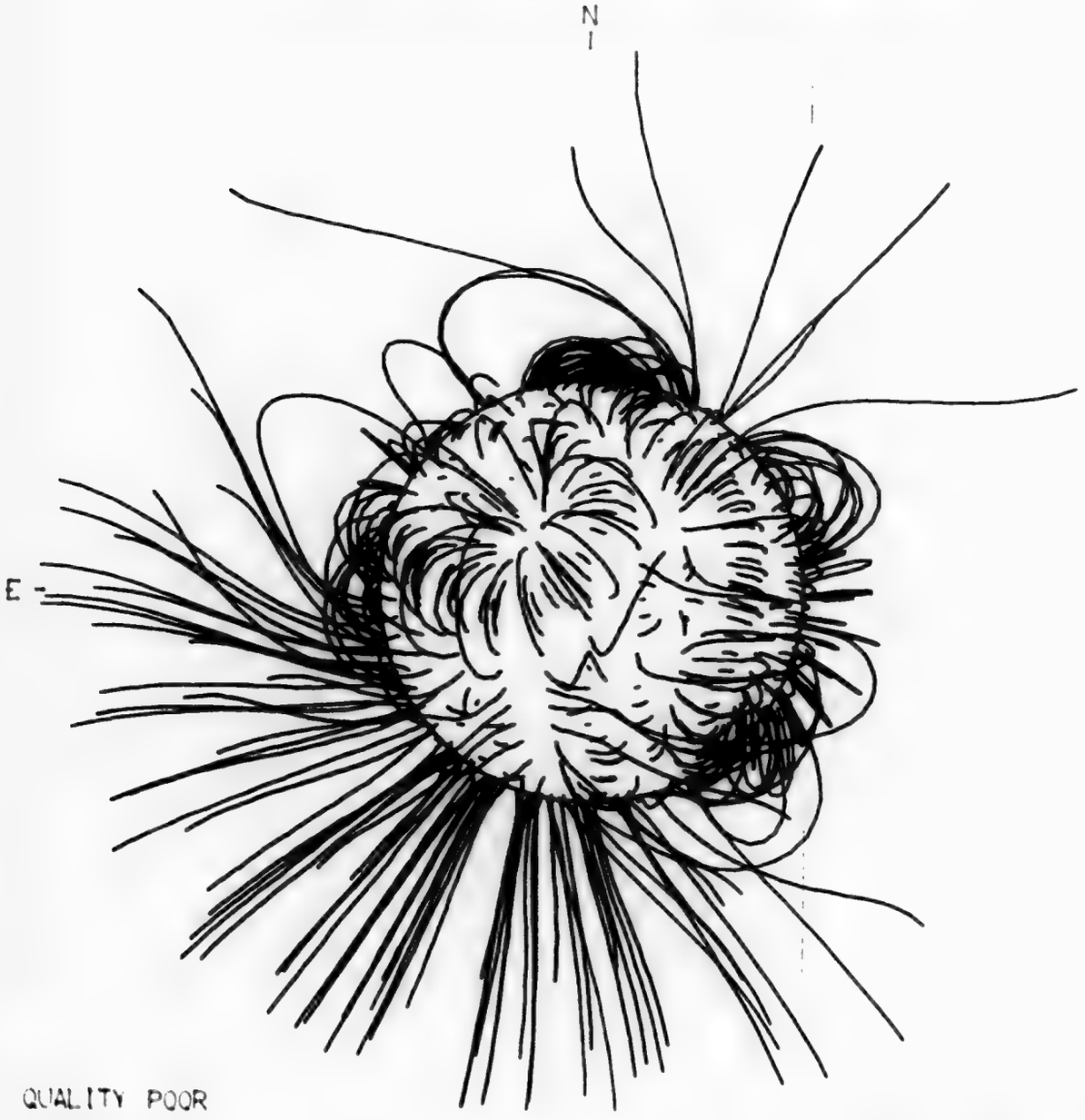
POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 230°

20.1 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

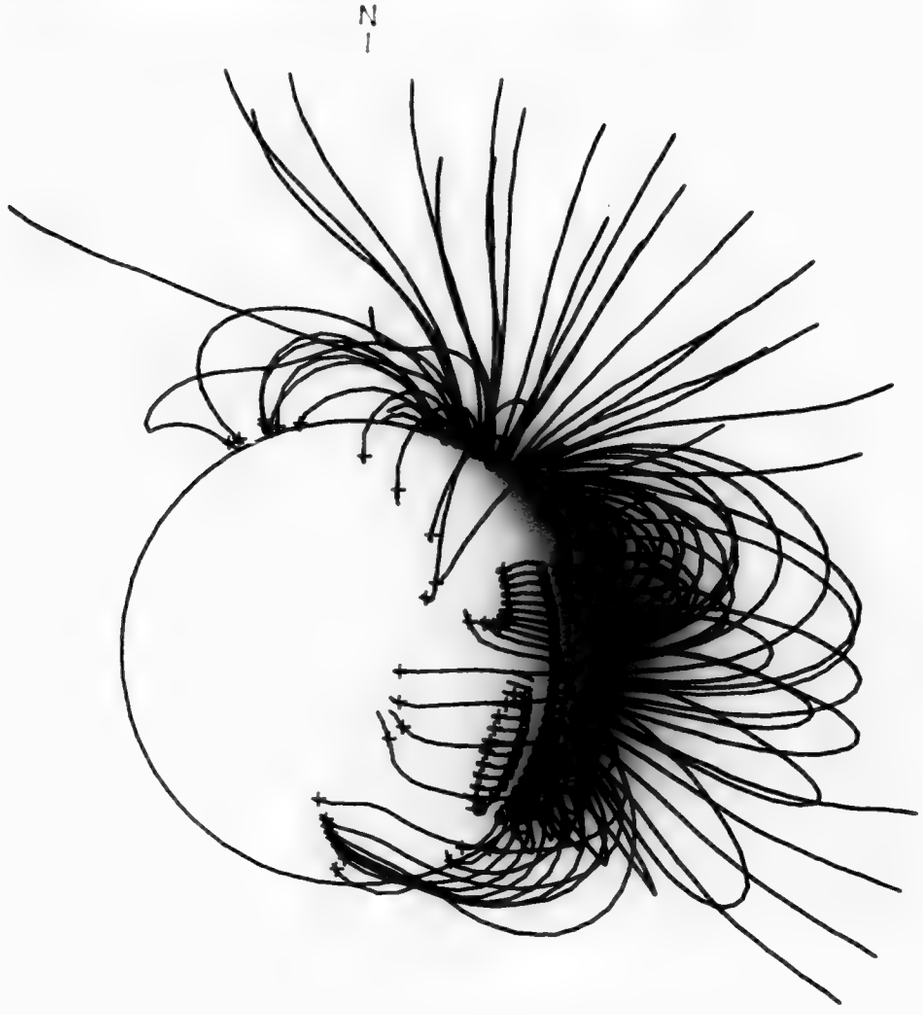
POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 220°

20.9 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

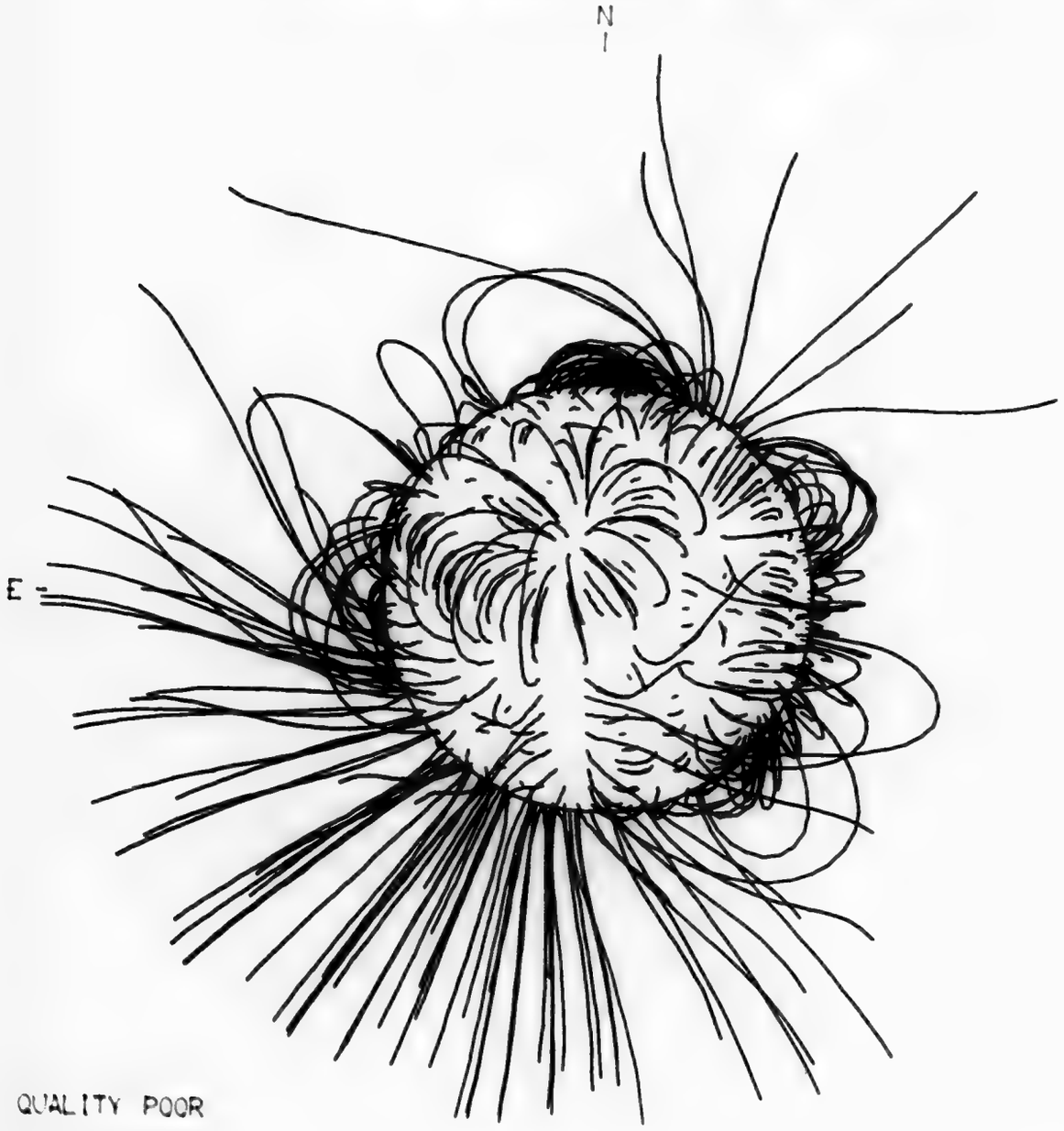
POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 220°

20.9 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

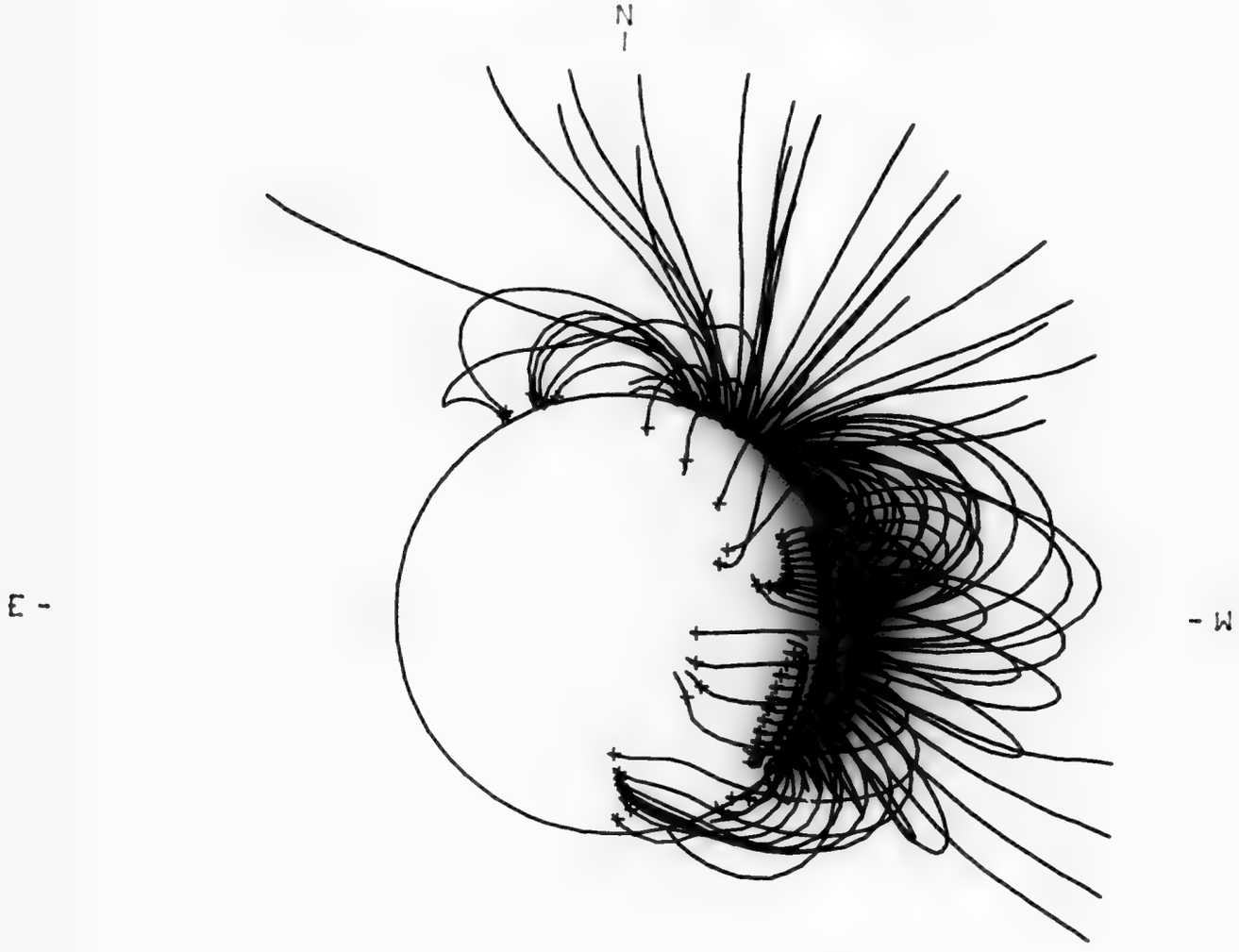
POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 210°

21.6 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

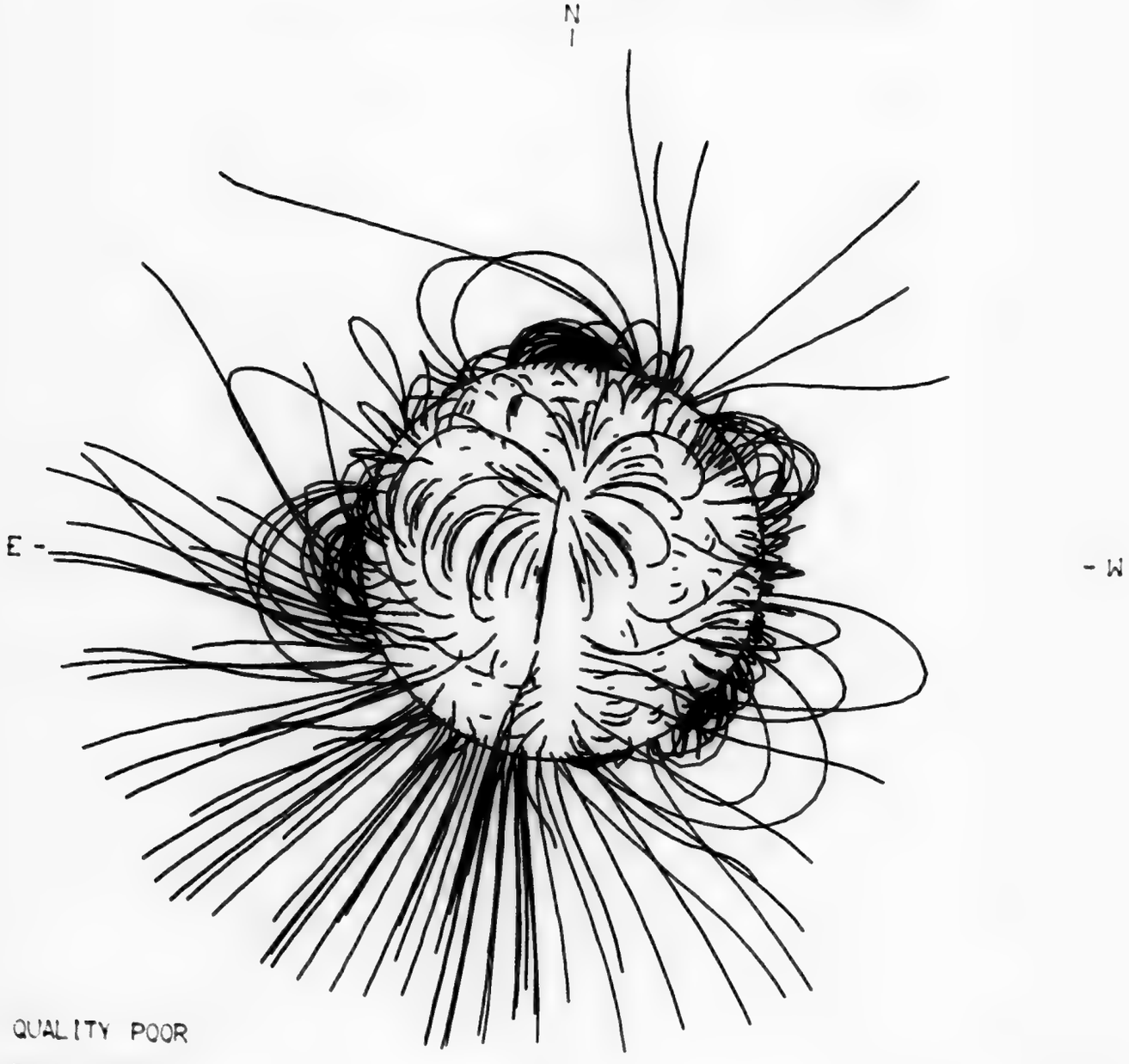
POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 210°

21.6 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

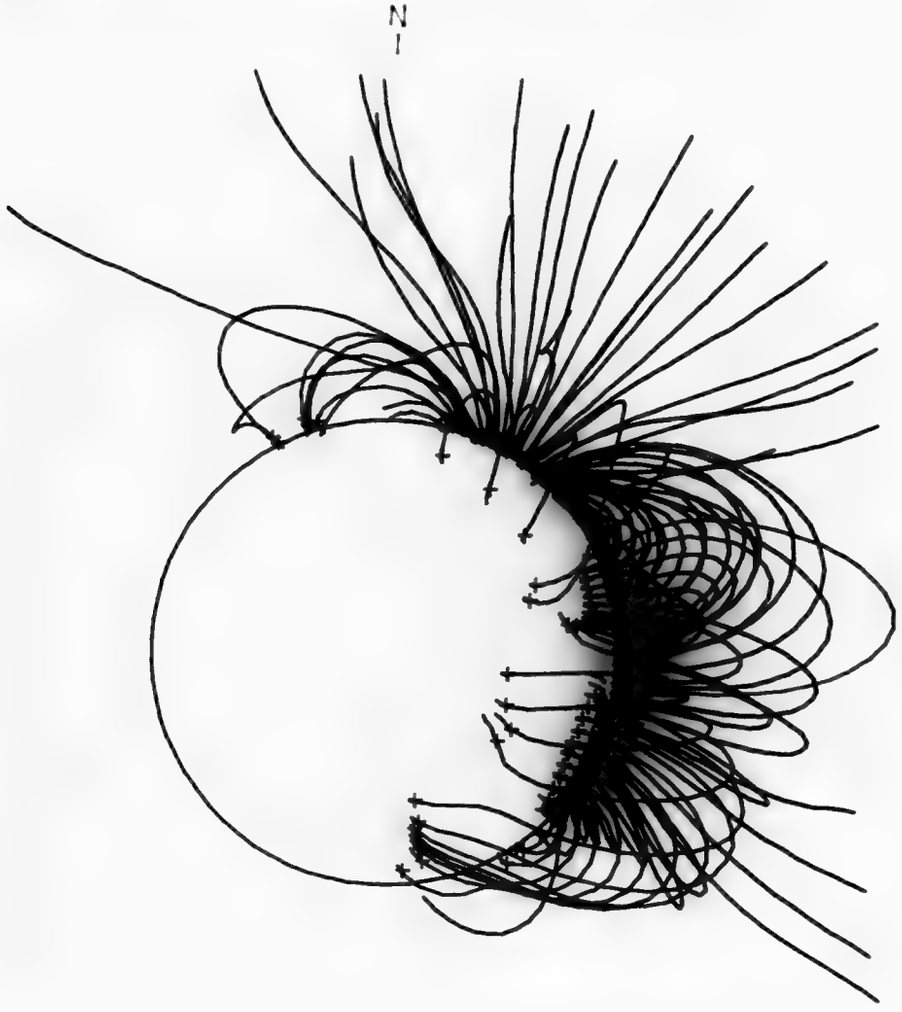
POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 200°

22.4 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

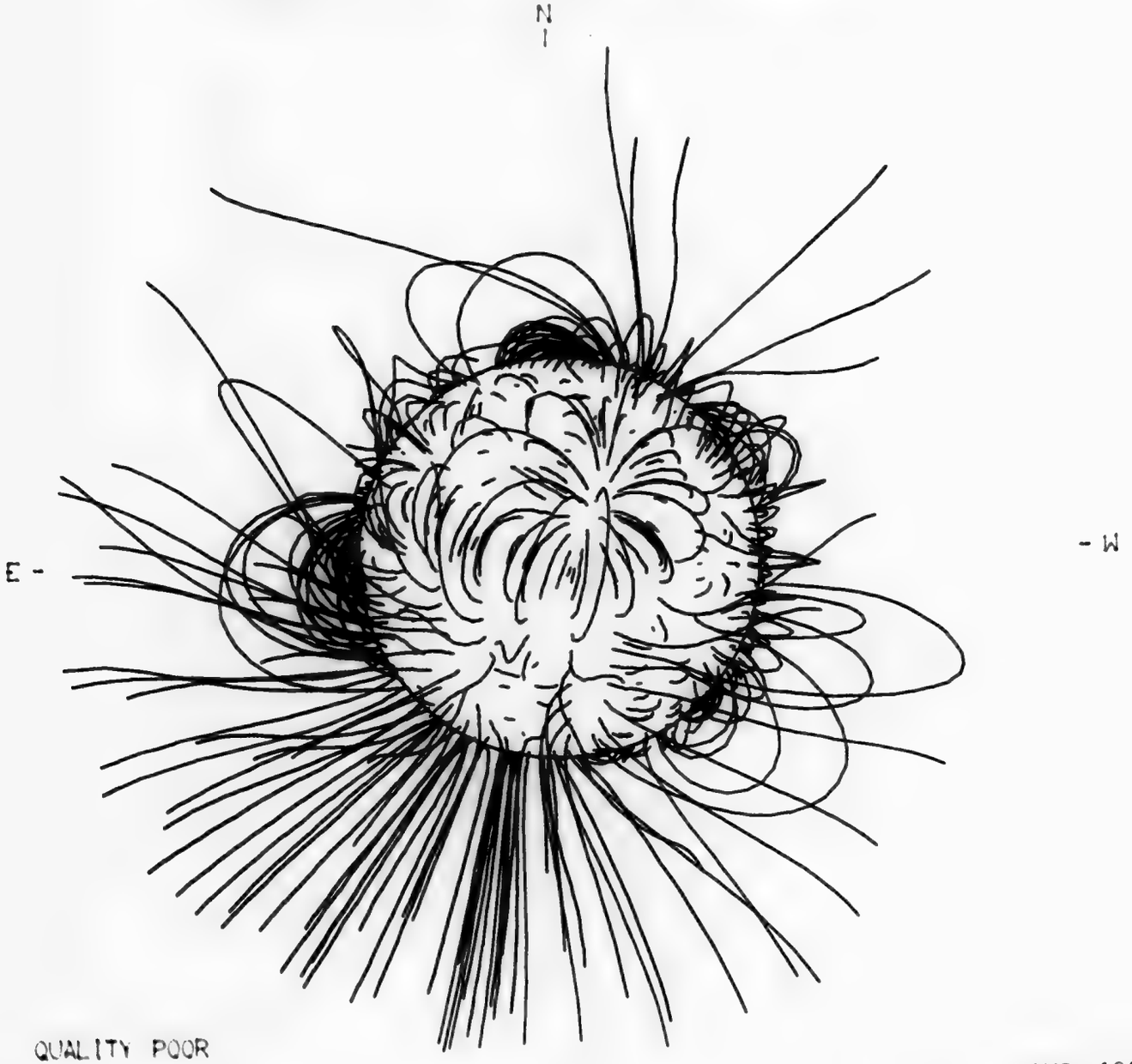
POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 200°

22.4 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.1.5.00

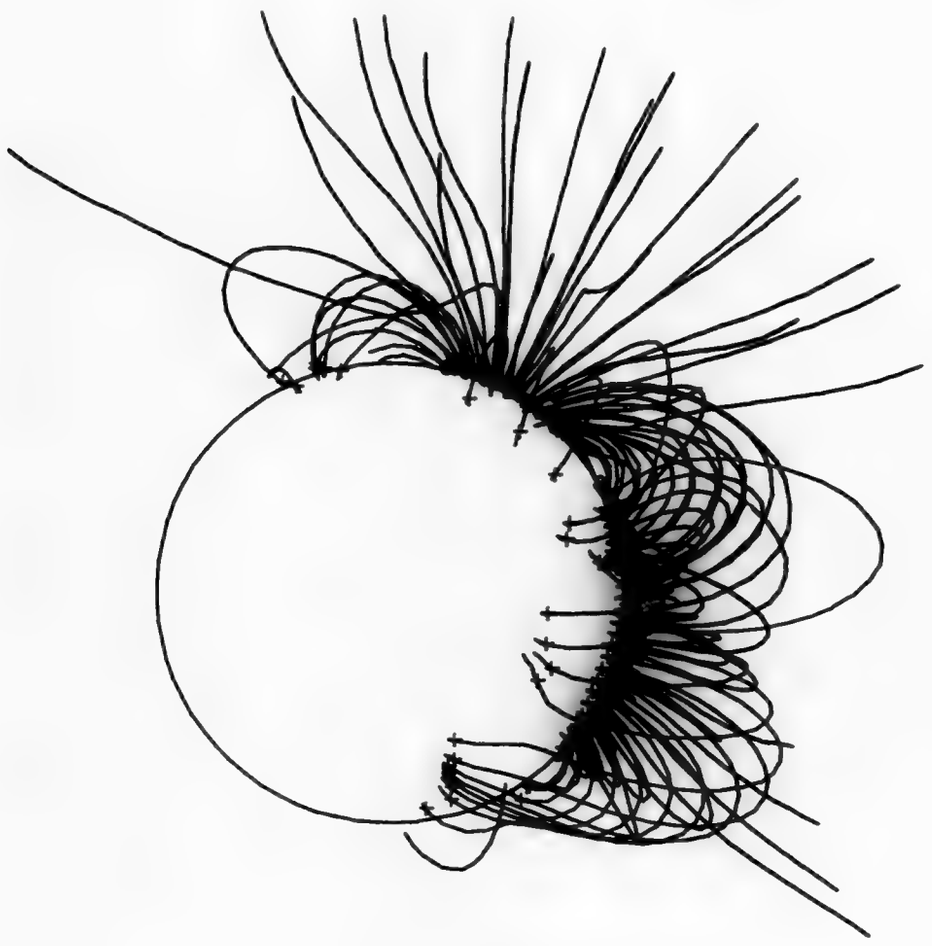
ROT. 1445 LONG. 190°

23.1 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

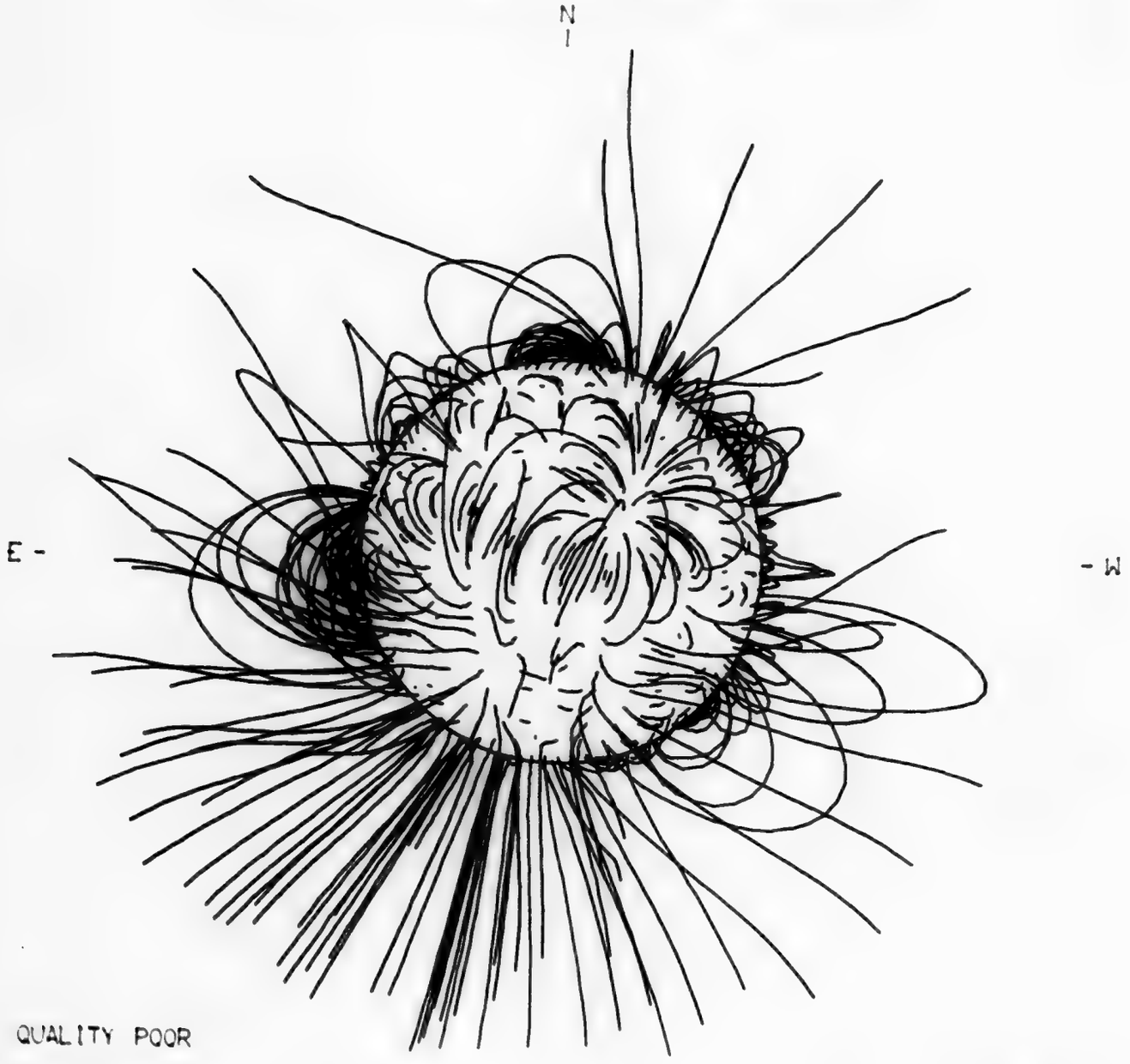
POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 190°

23.1 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

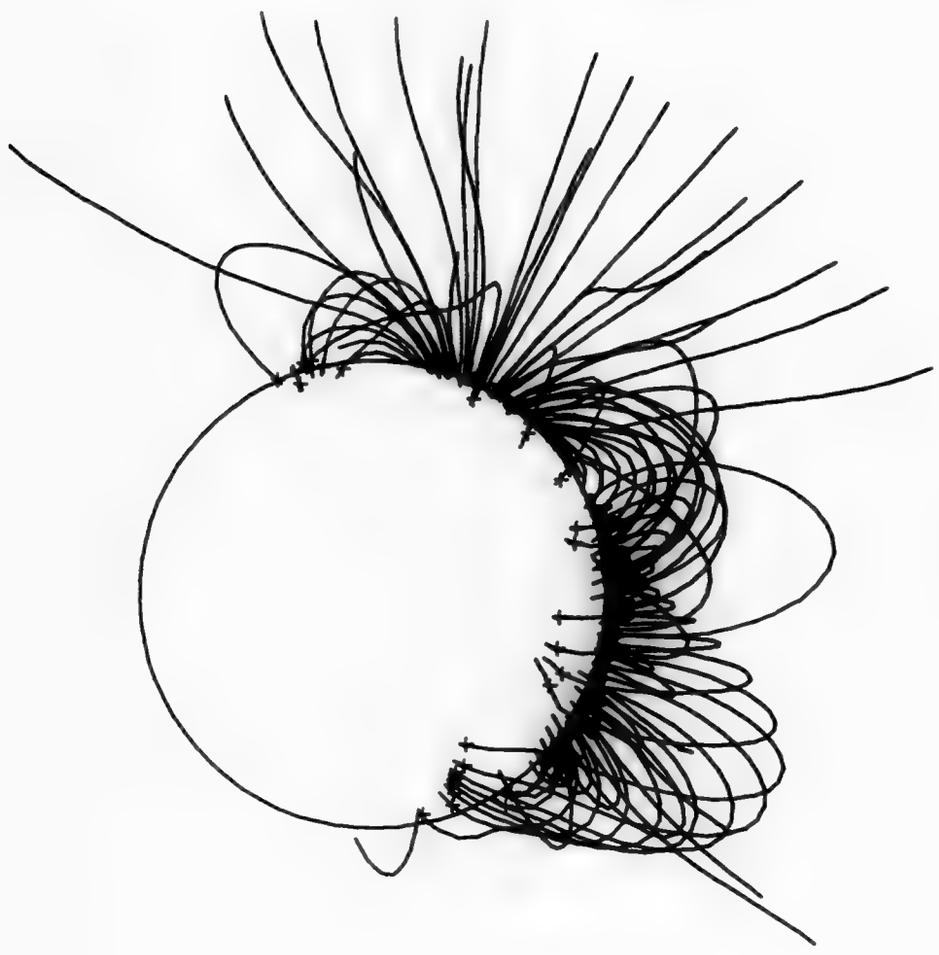
DATA WINDOW 1445.00

ROT. 1445 LONG. 180°

23.9 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

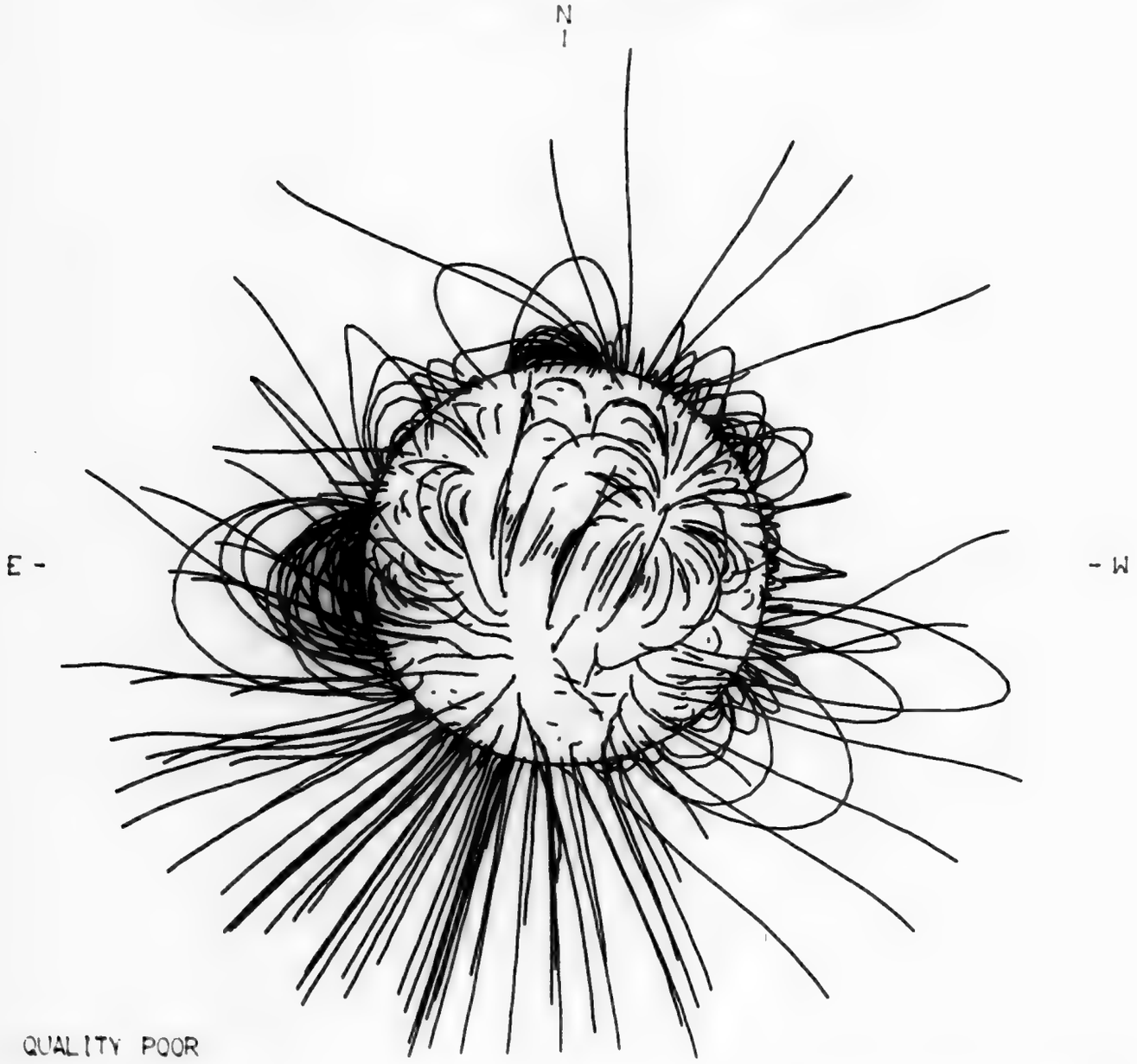
POLES DIRECT

DATA WINDOW 1.1.15.00

ROT. 1445 LONG. 180°

23.9 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.00

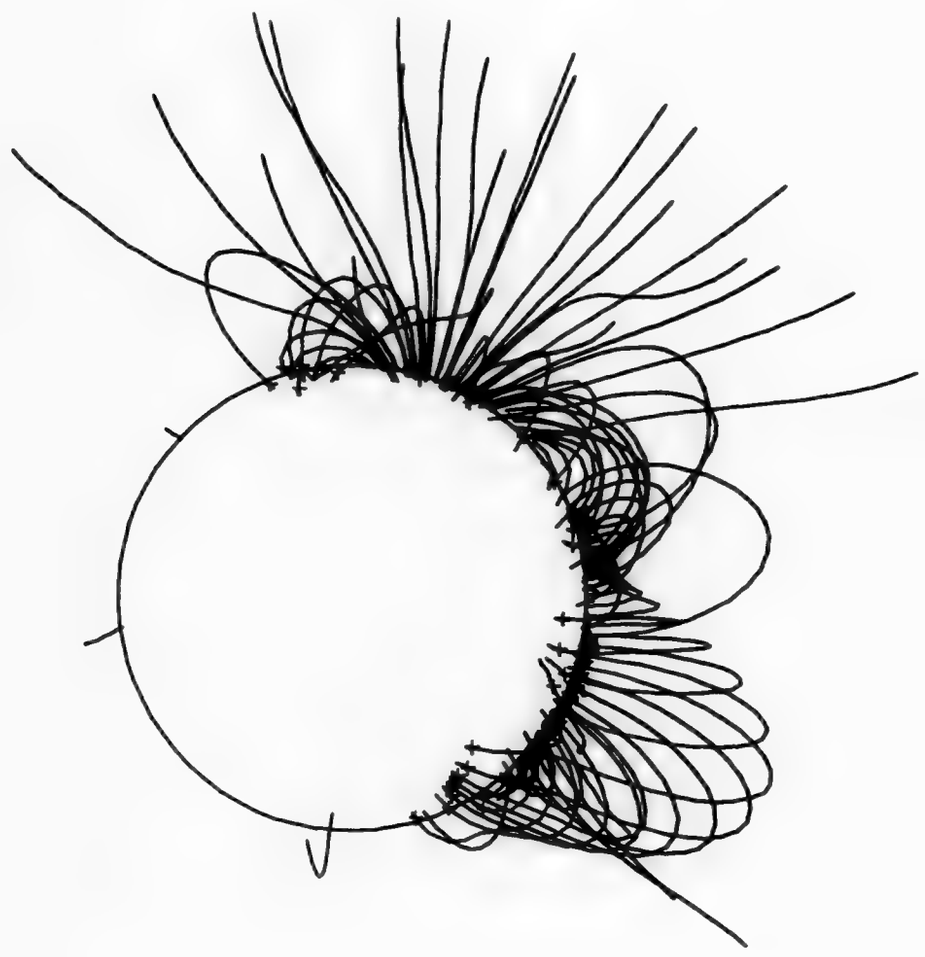
ROT. 1445 LONG. 170°

24.7 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

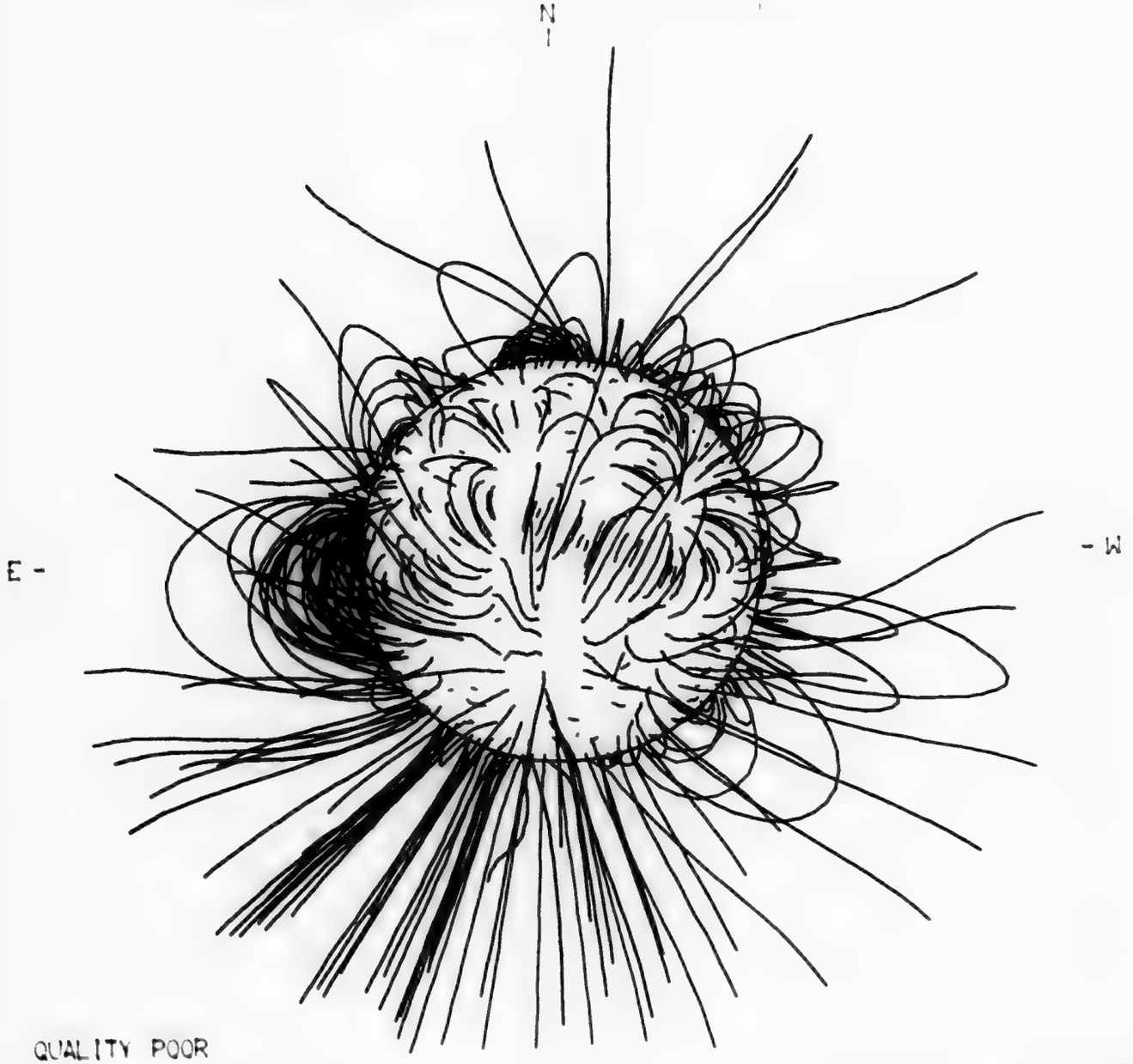
POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 170°

24.7 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.00

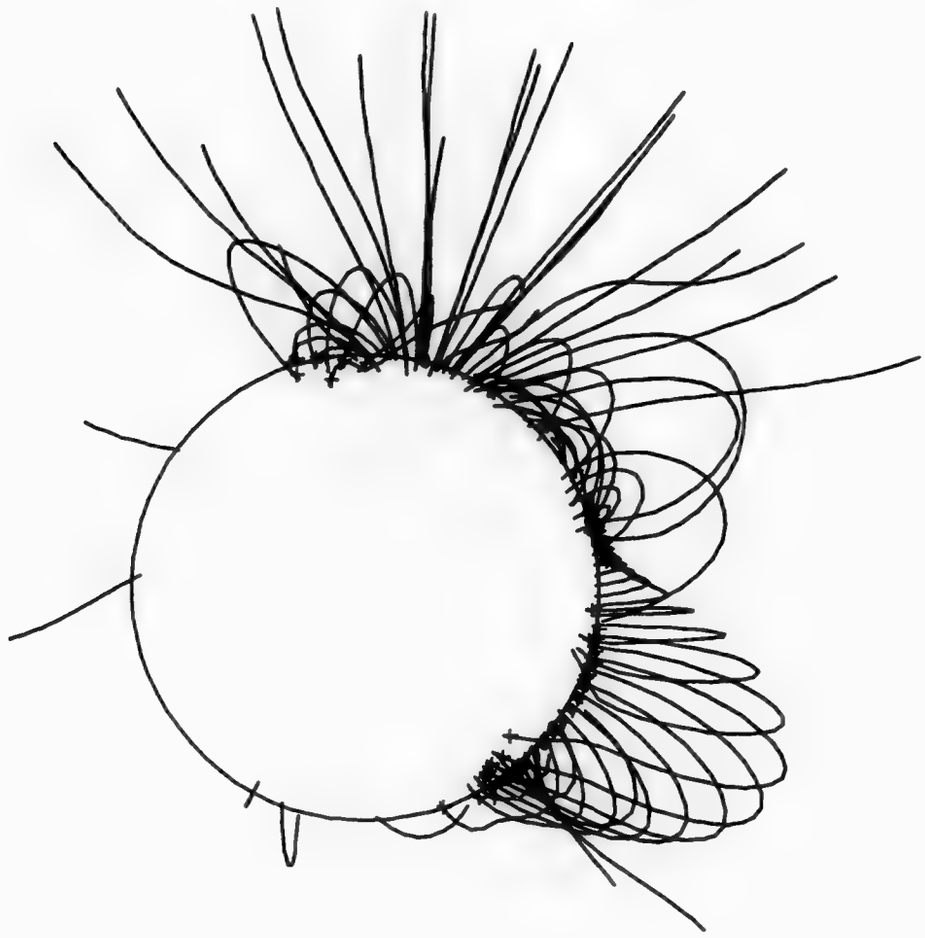
ROT. 1445 LONG. 160°

25.4 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

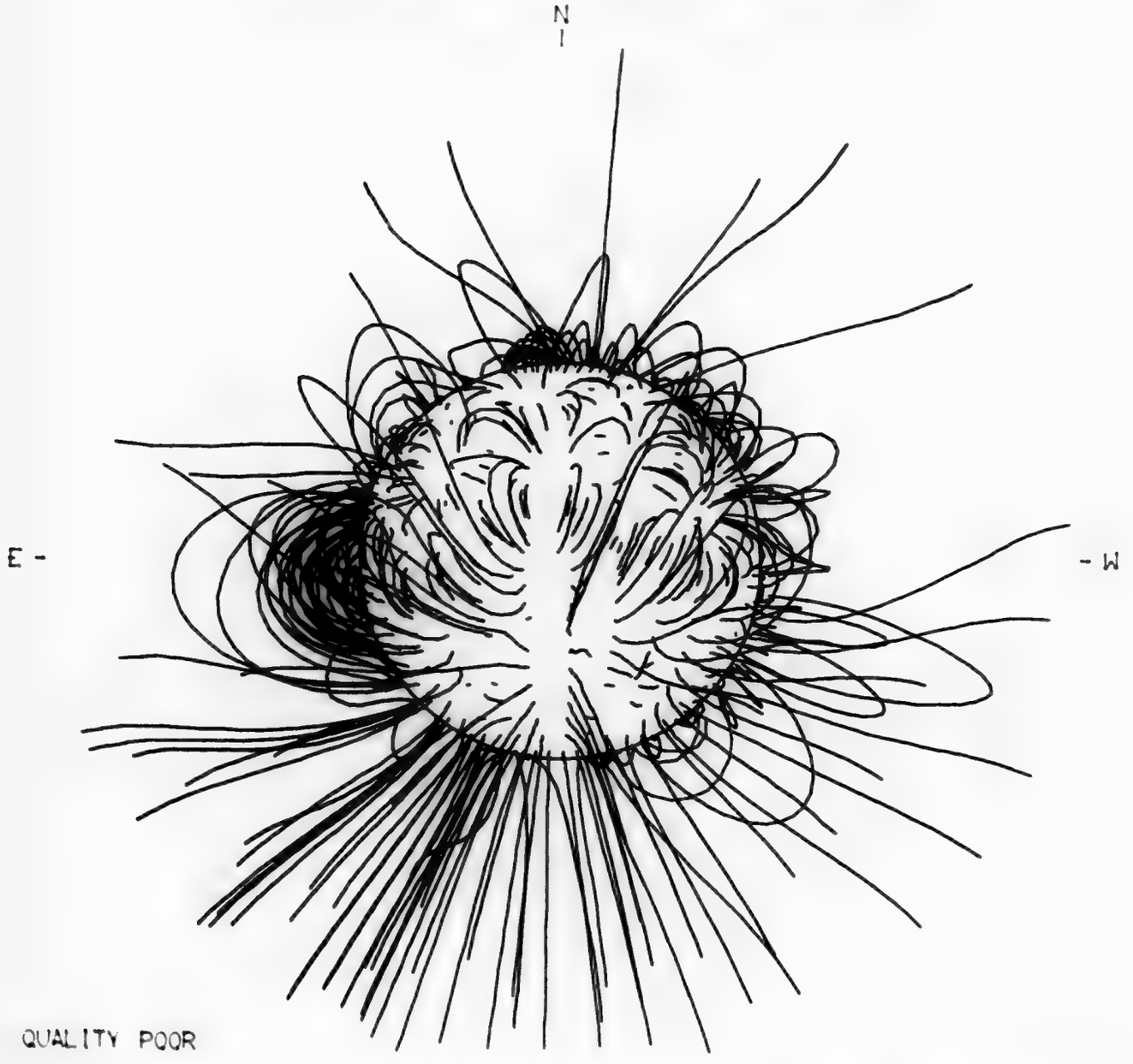
POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 160°

25.4 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.00

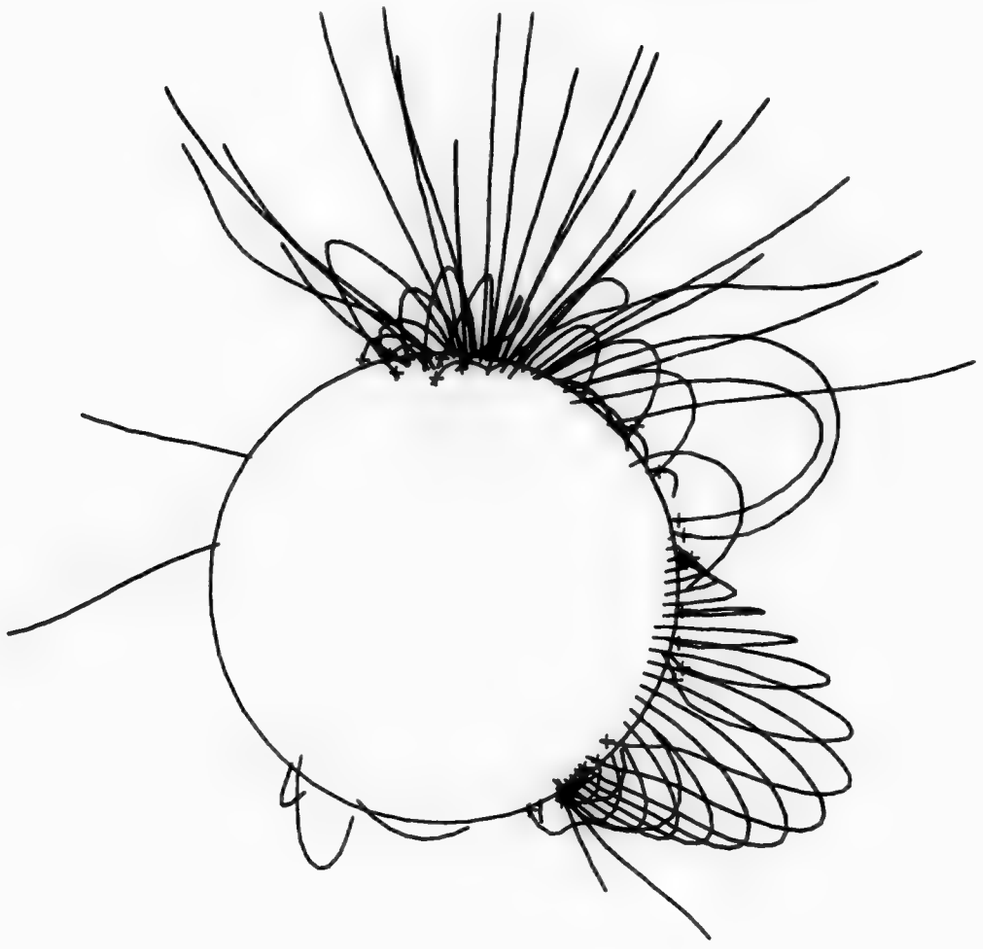
ROT. 1445 LONG. 150°

26.2 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

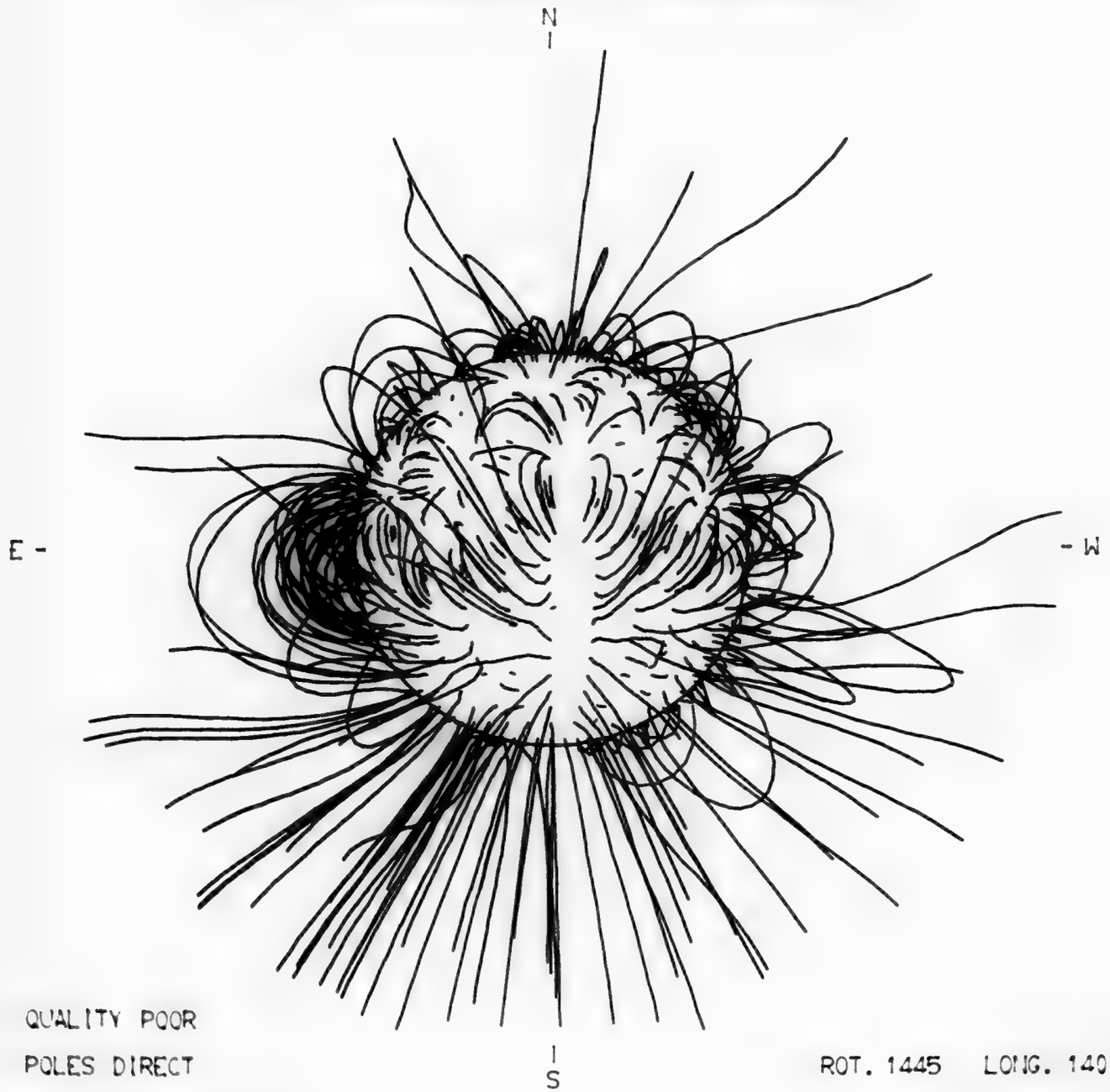
POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 150°

26.2 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

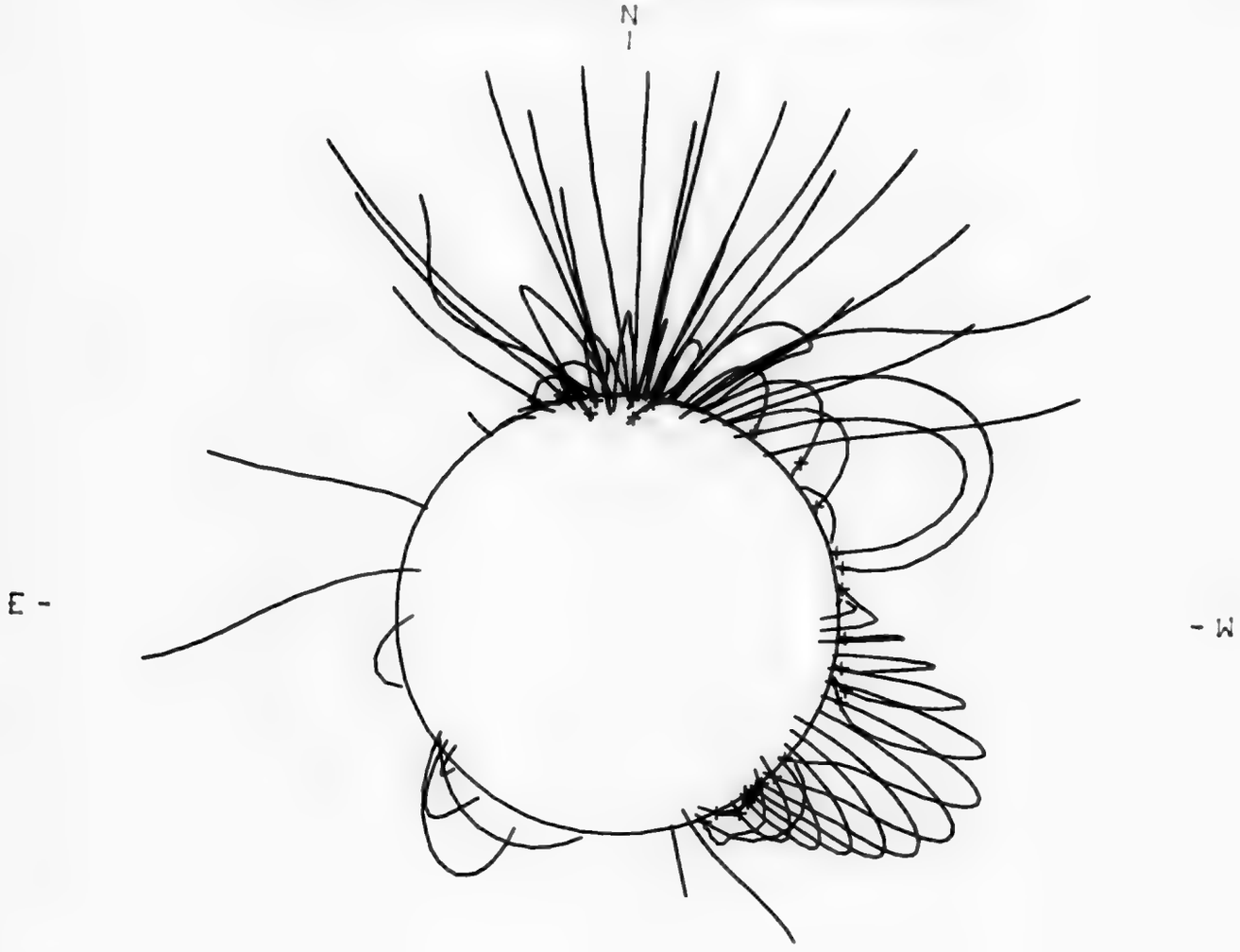
POLES DIRECT

DATA WINDOW 1.1.5.00

ROT. 1445 LONG. 140°

26.9 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

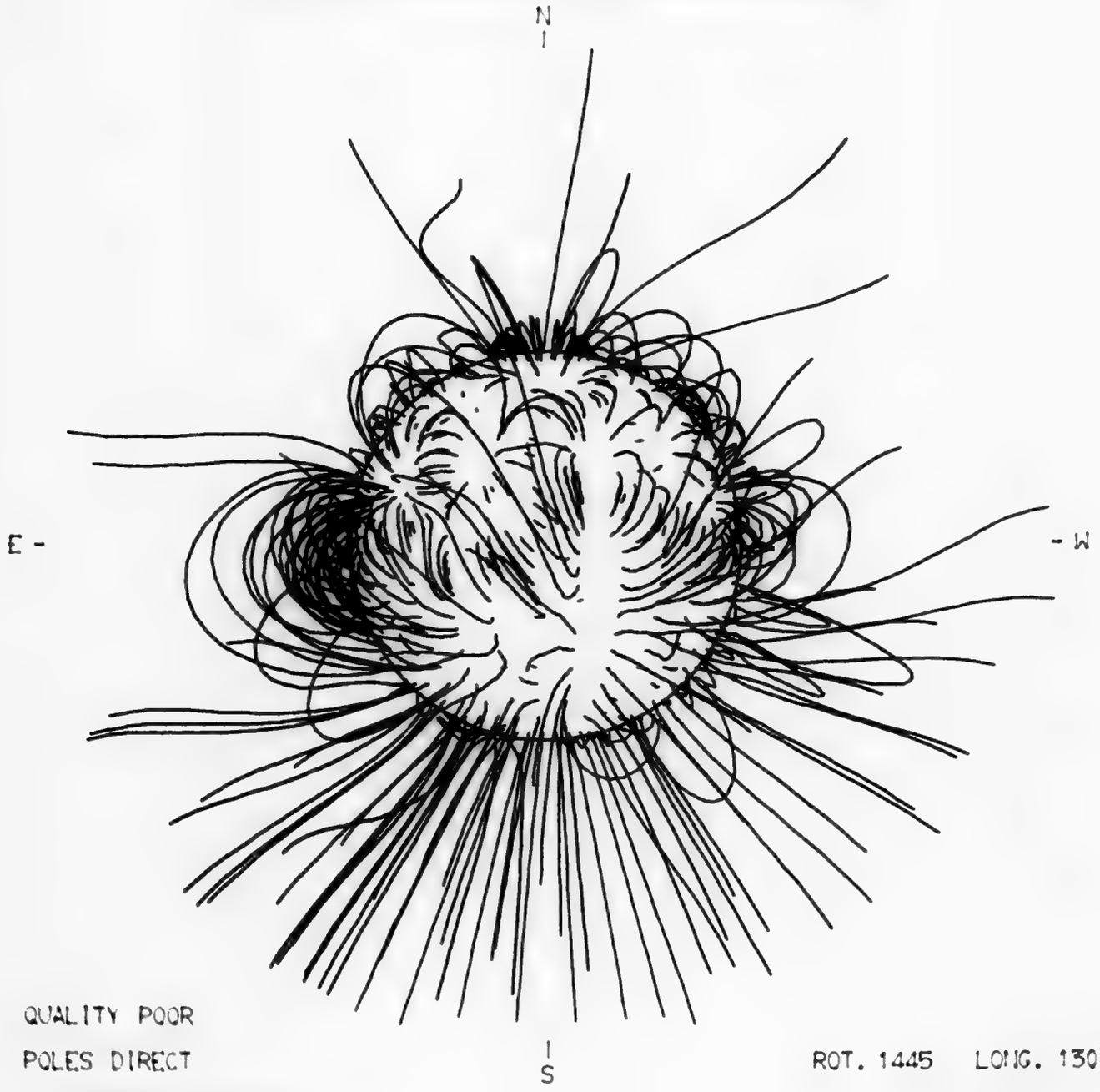
POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 140°

26.9 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

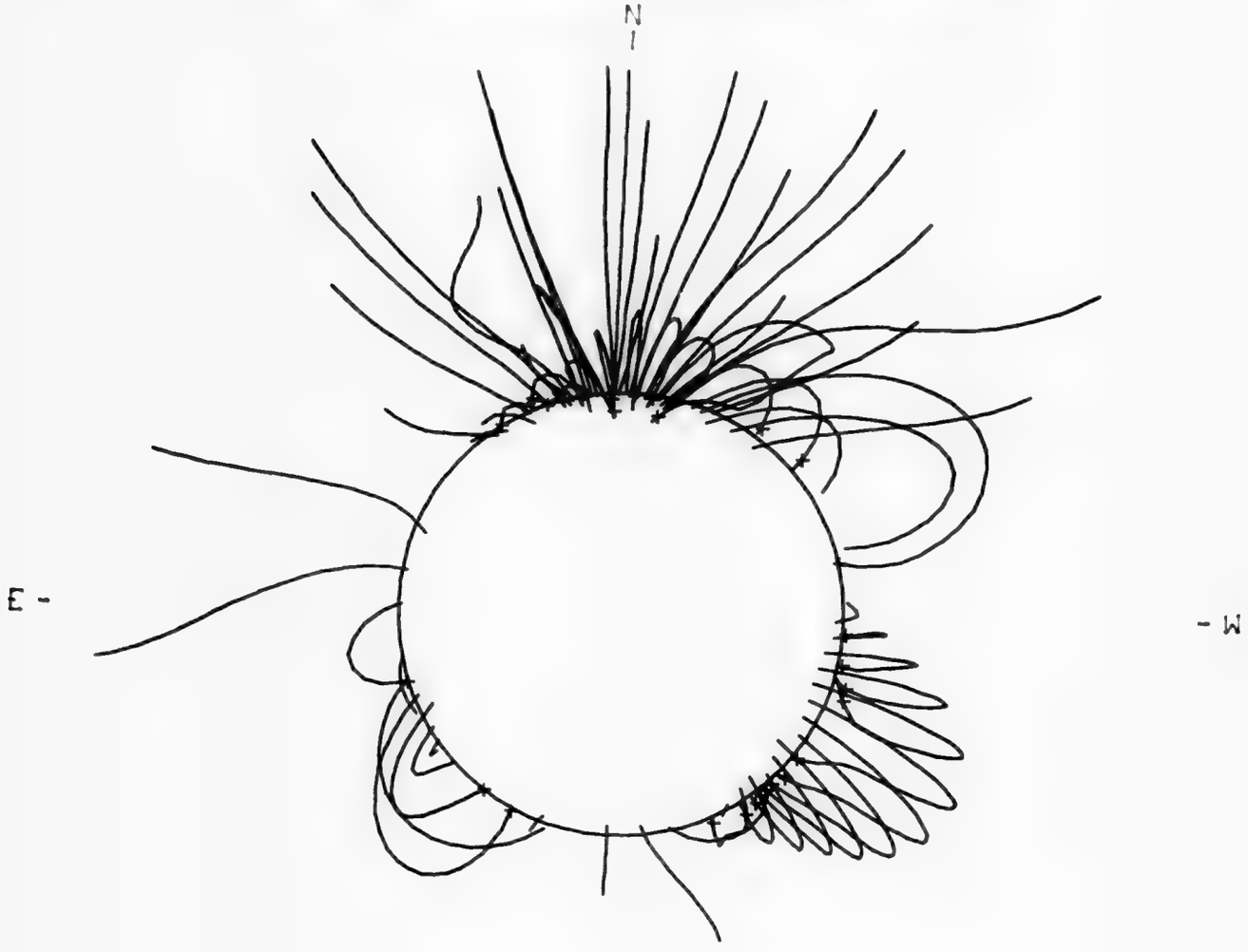
POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 130°

27.7 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

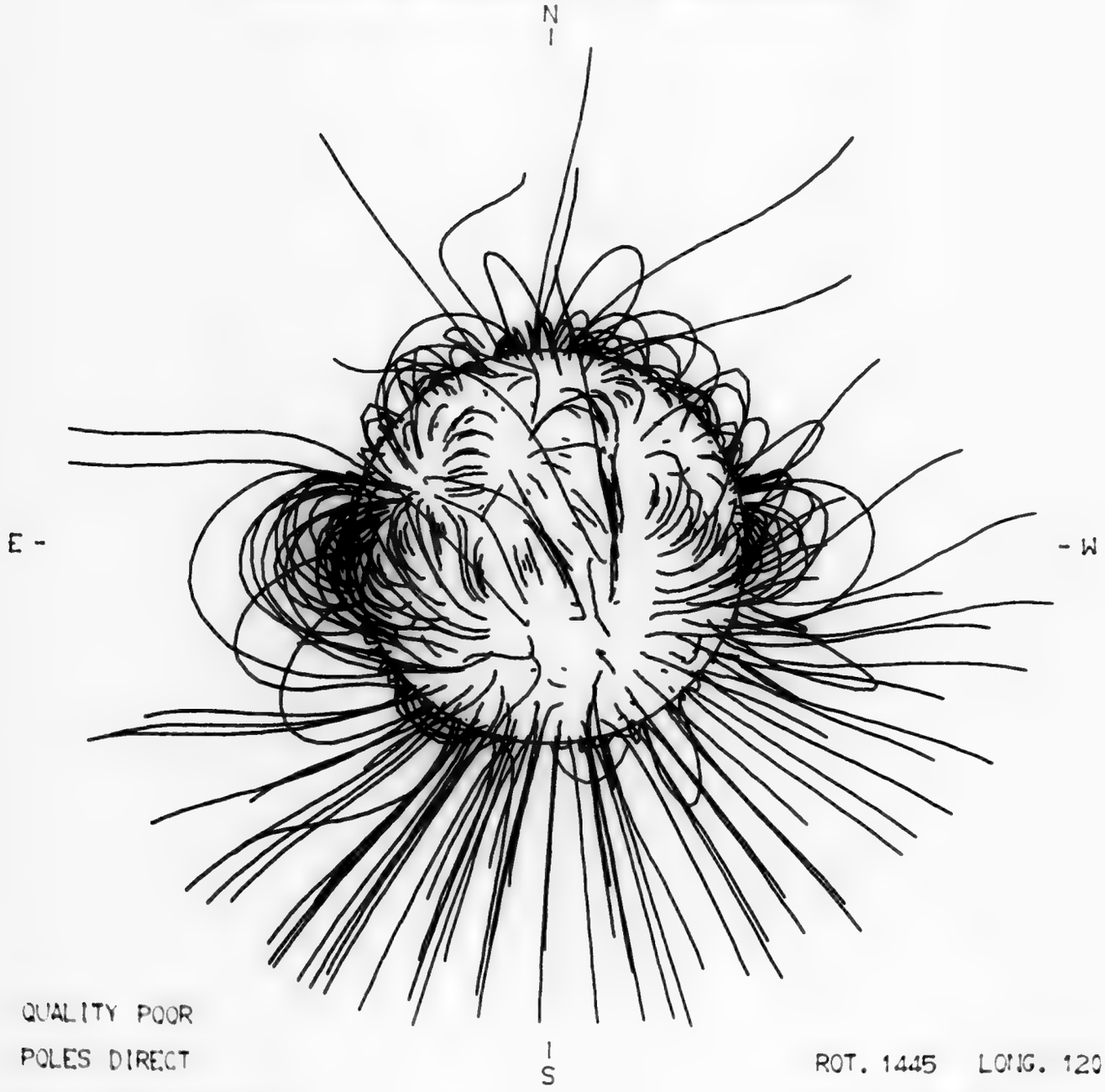
POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 130°

27.7 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

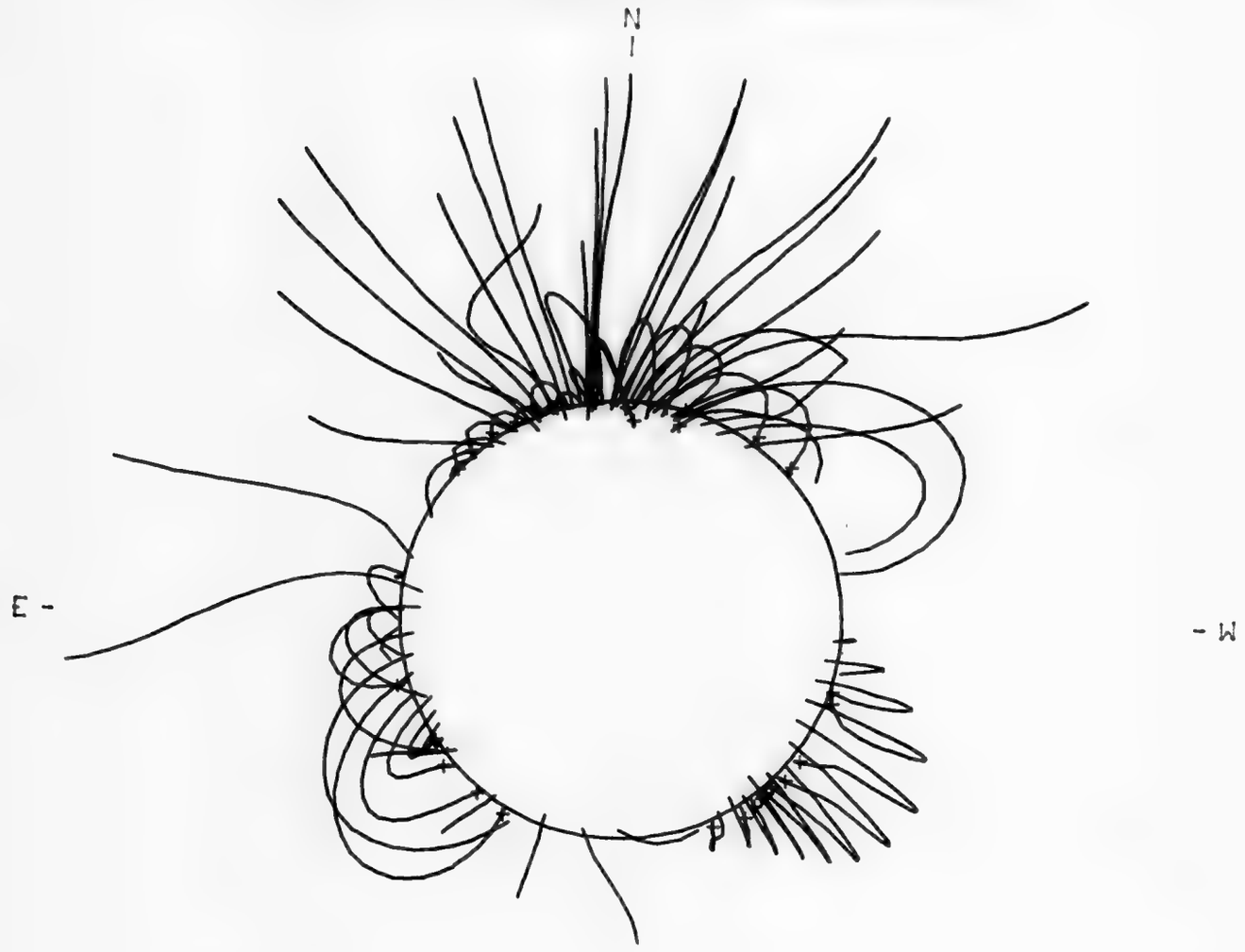
POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 120°

28.4 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

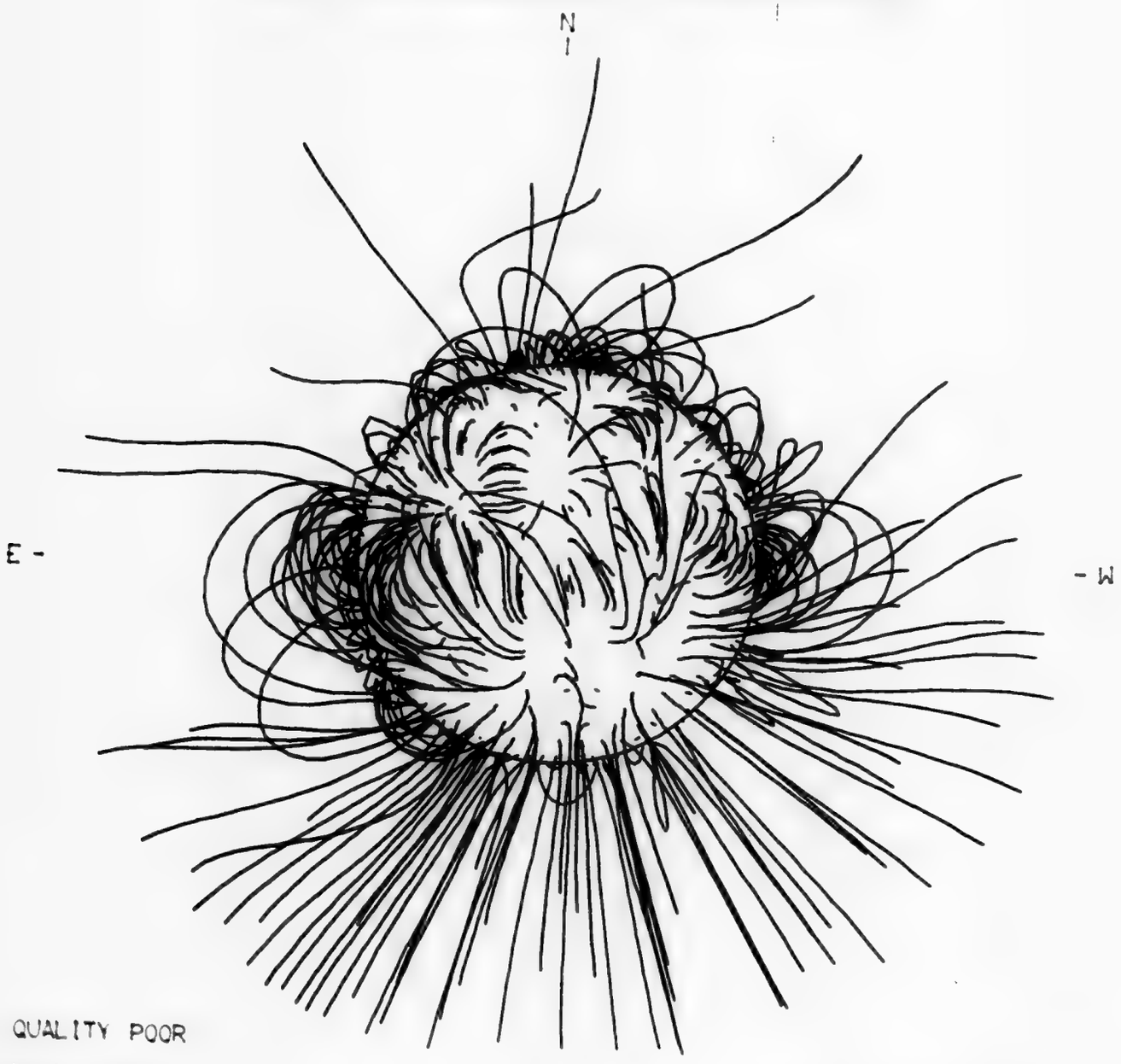
POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 120°

28.4 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

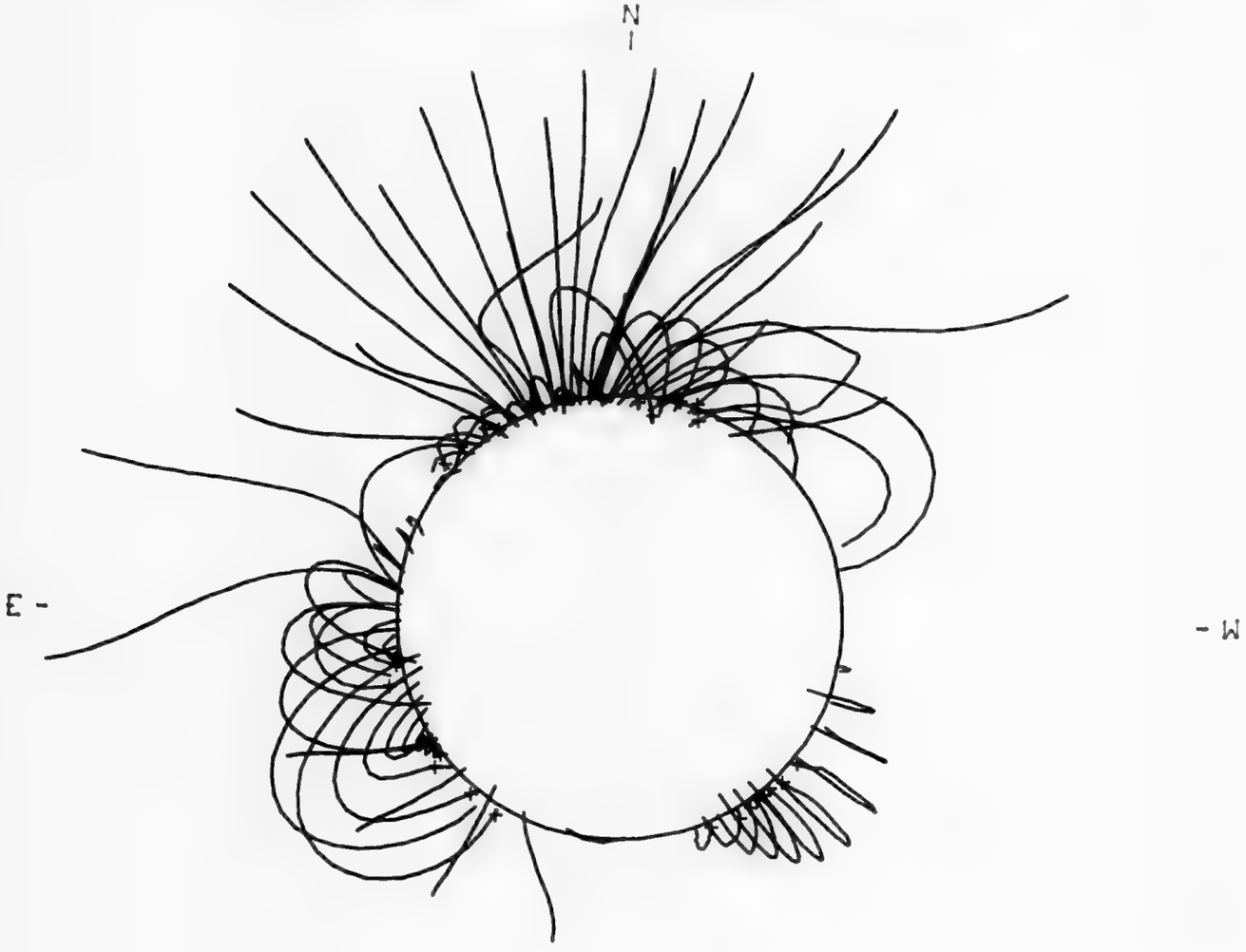
POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 110°

29.2 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

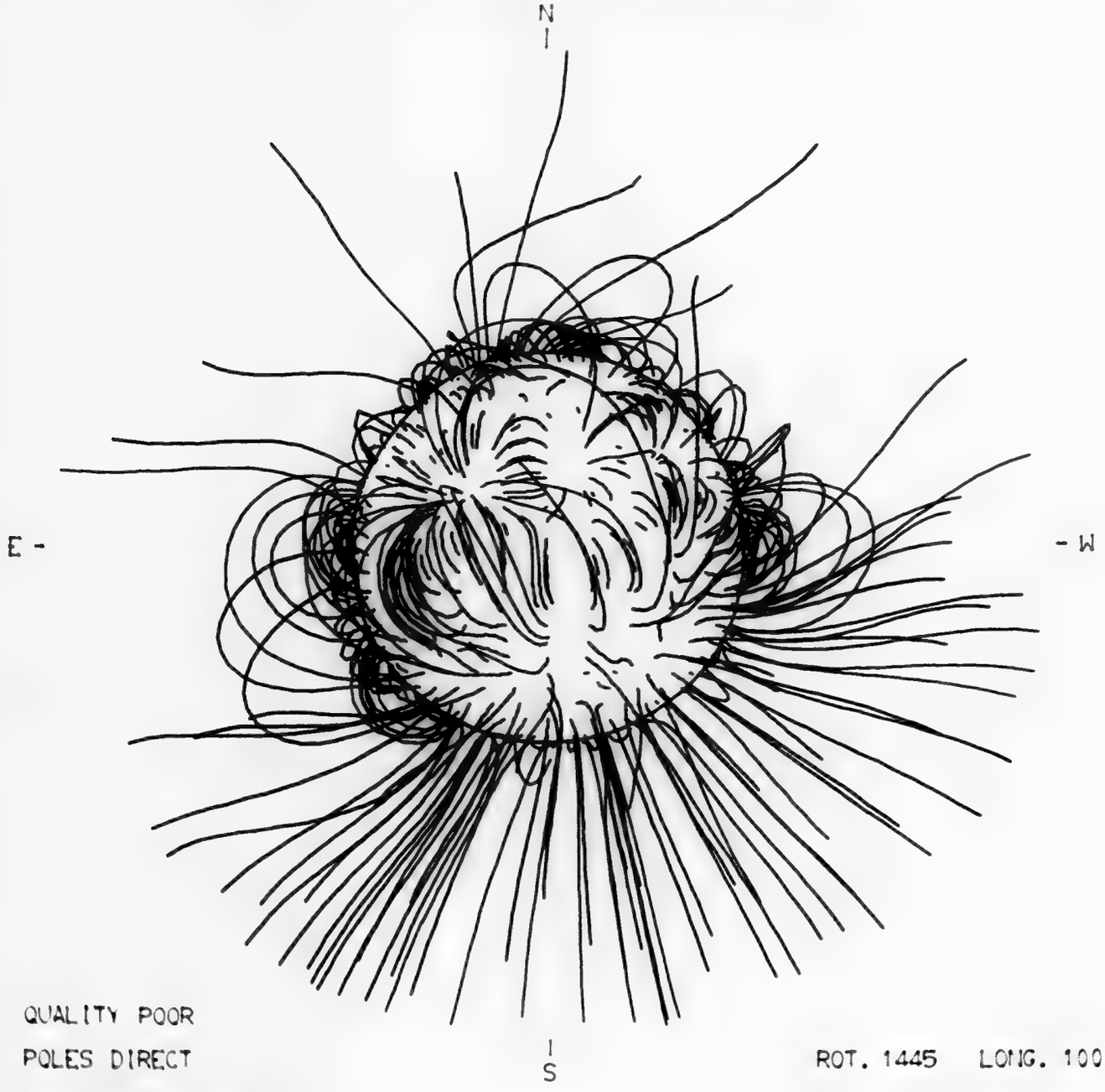
POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 110°

29.2 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

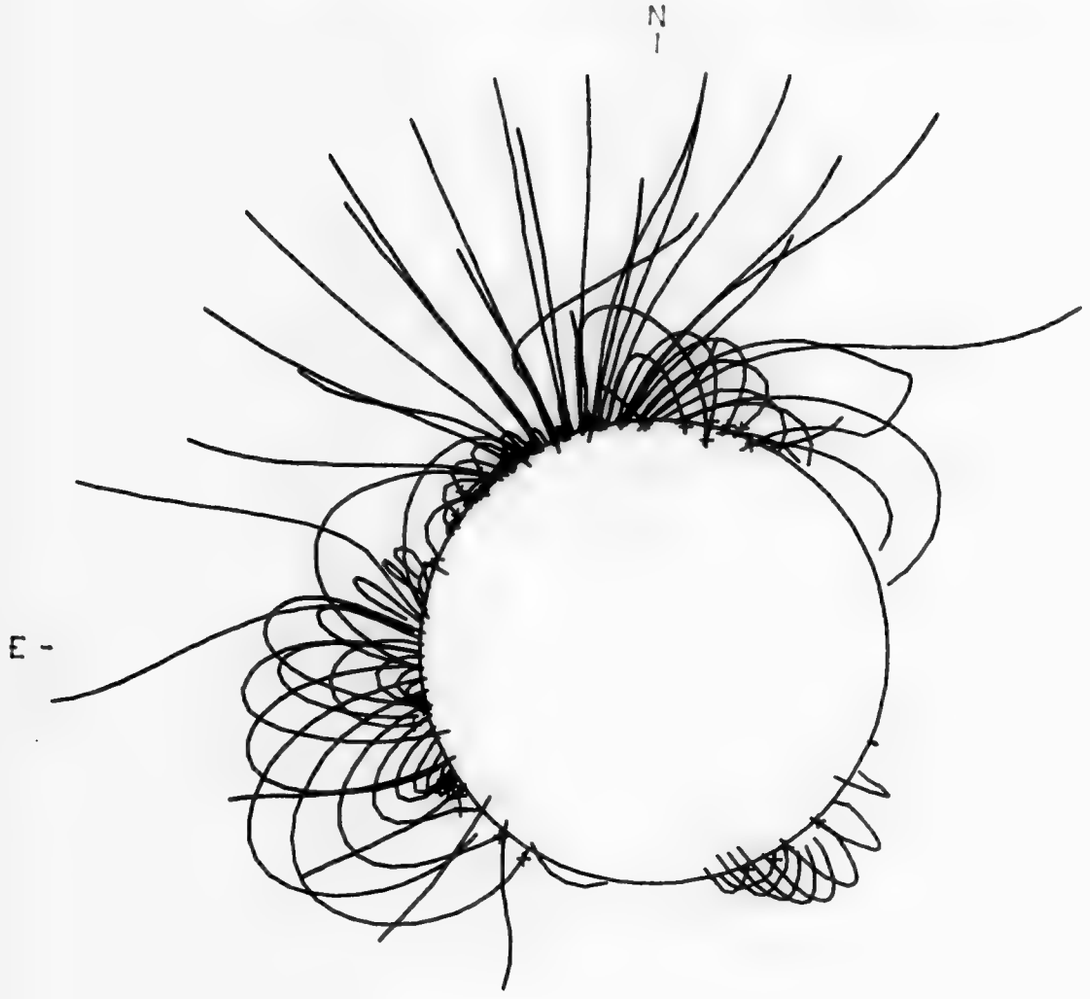
POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 100°

30.0 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

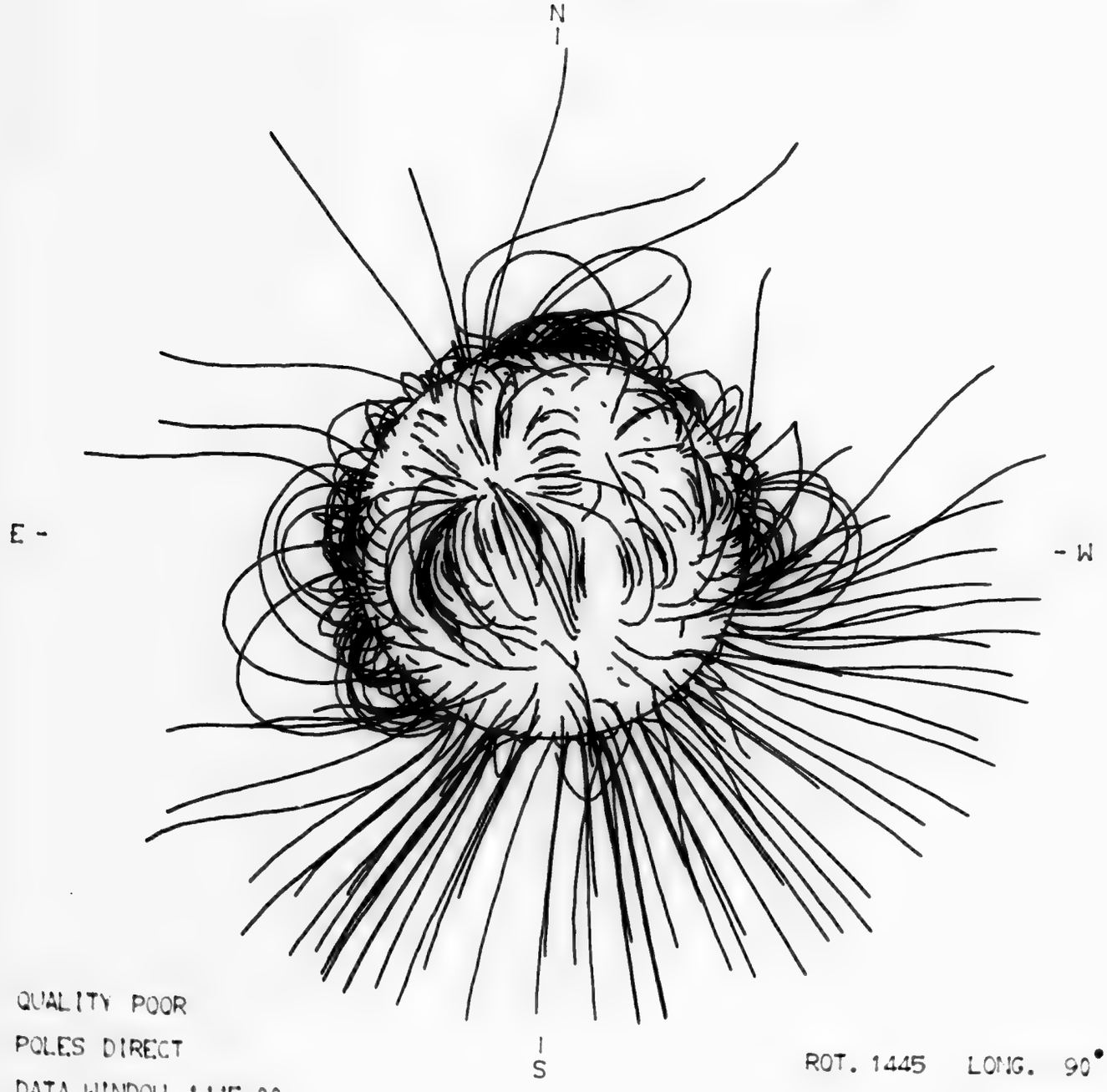
POLES DIRECT

DATA WINDOW 1.1.5.00

ROT. 1445 LONG. 100°

30.0 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

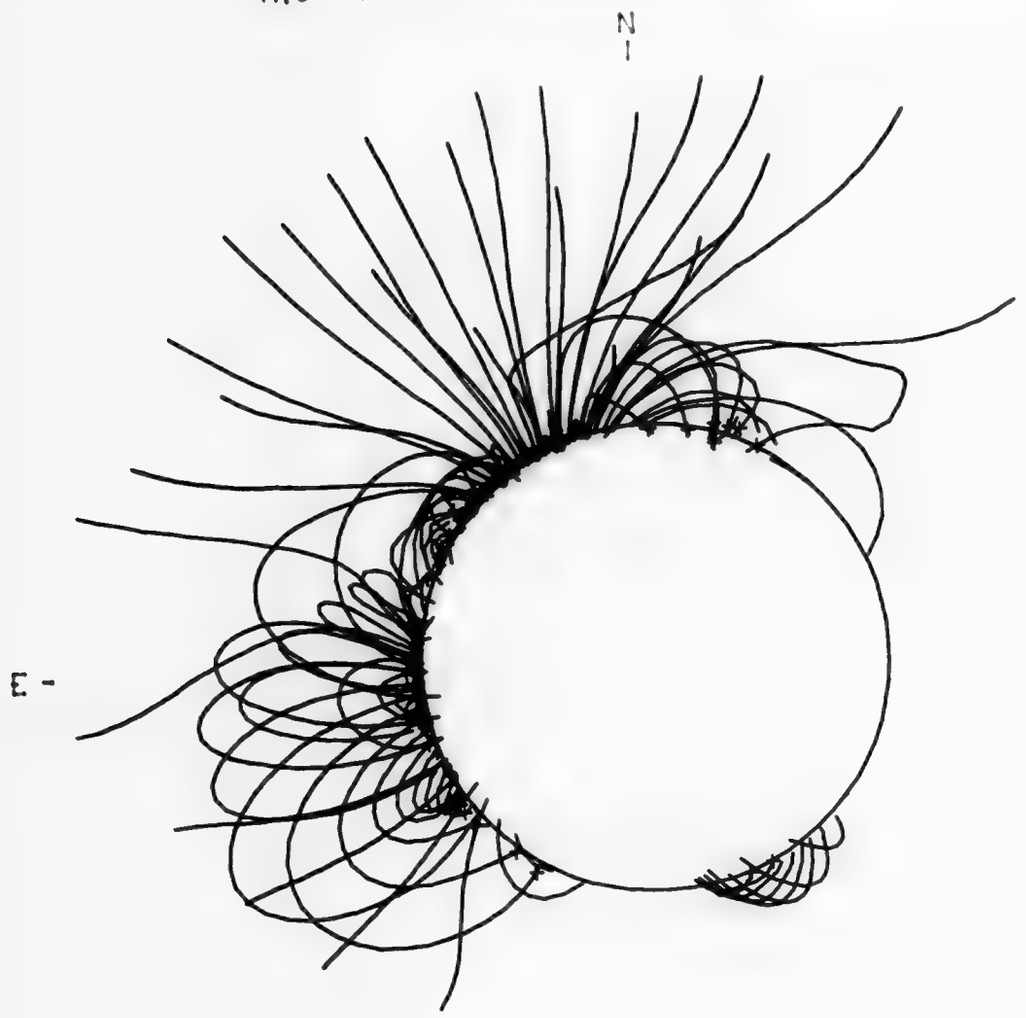
POLES DIRECT

DATA WINDOW 1.1.15.00

ROT. 1445 LONG. 90°

30.7 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.00

ROT. 1445 LONG. 90°

30.7 SEP 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.27

ROT. 1445 LONG. 61°

1.5 LAT 1.26°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

QUALITY POOR

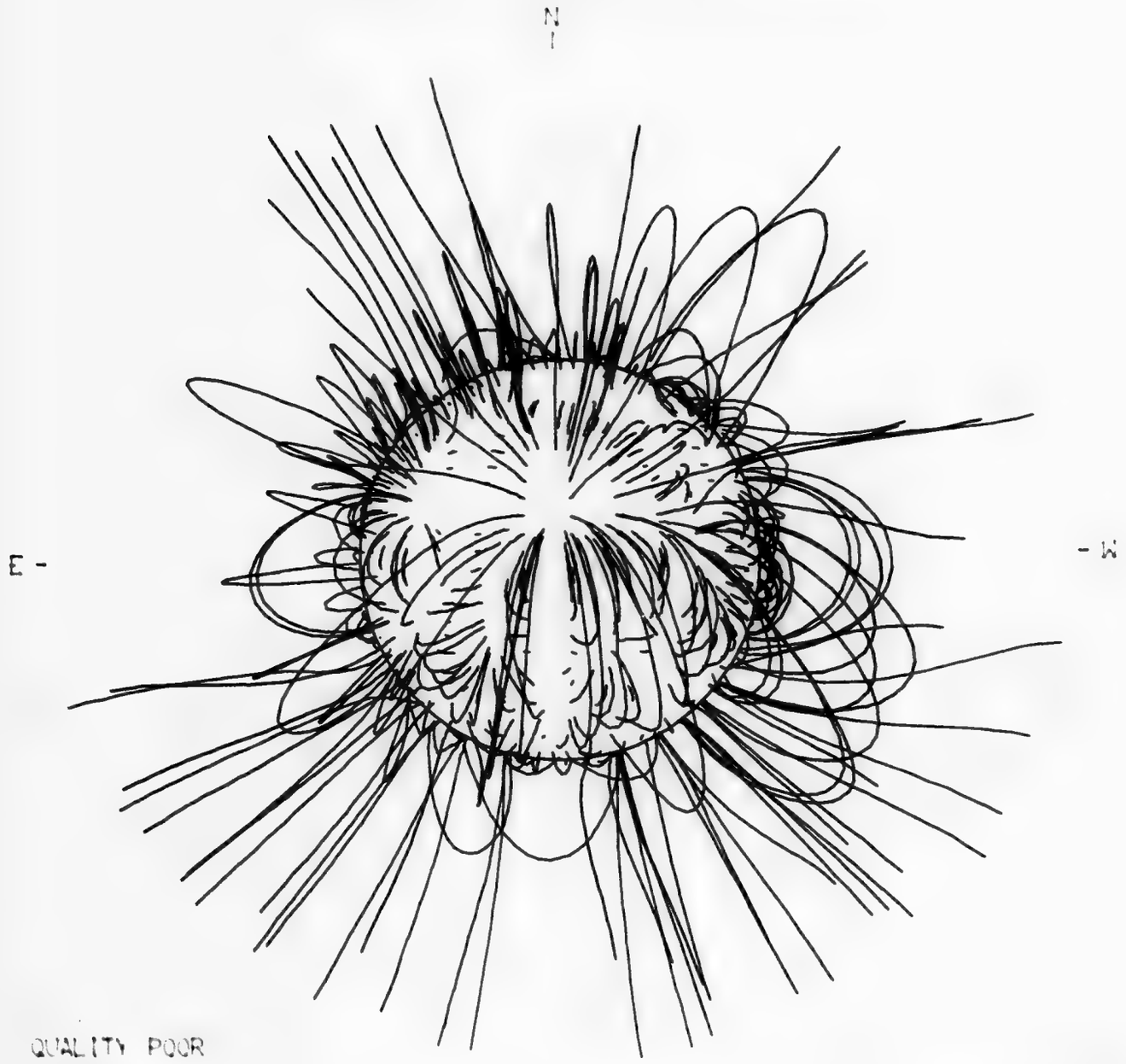
POLES DIRECT

DATA WINDOW 1445.47

ROT. 1445 LONG. 85°

1.5 SET

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.47

ROT. 1445 LONG. 70°

22 OCT 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

QUALITY POOR

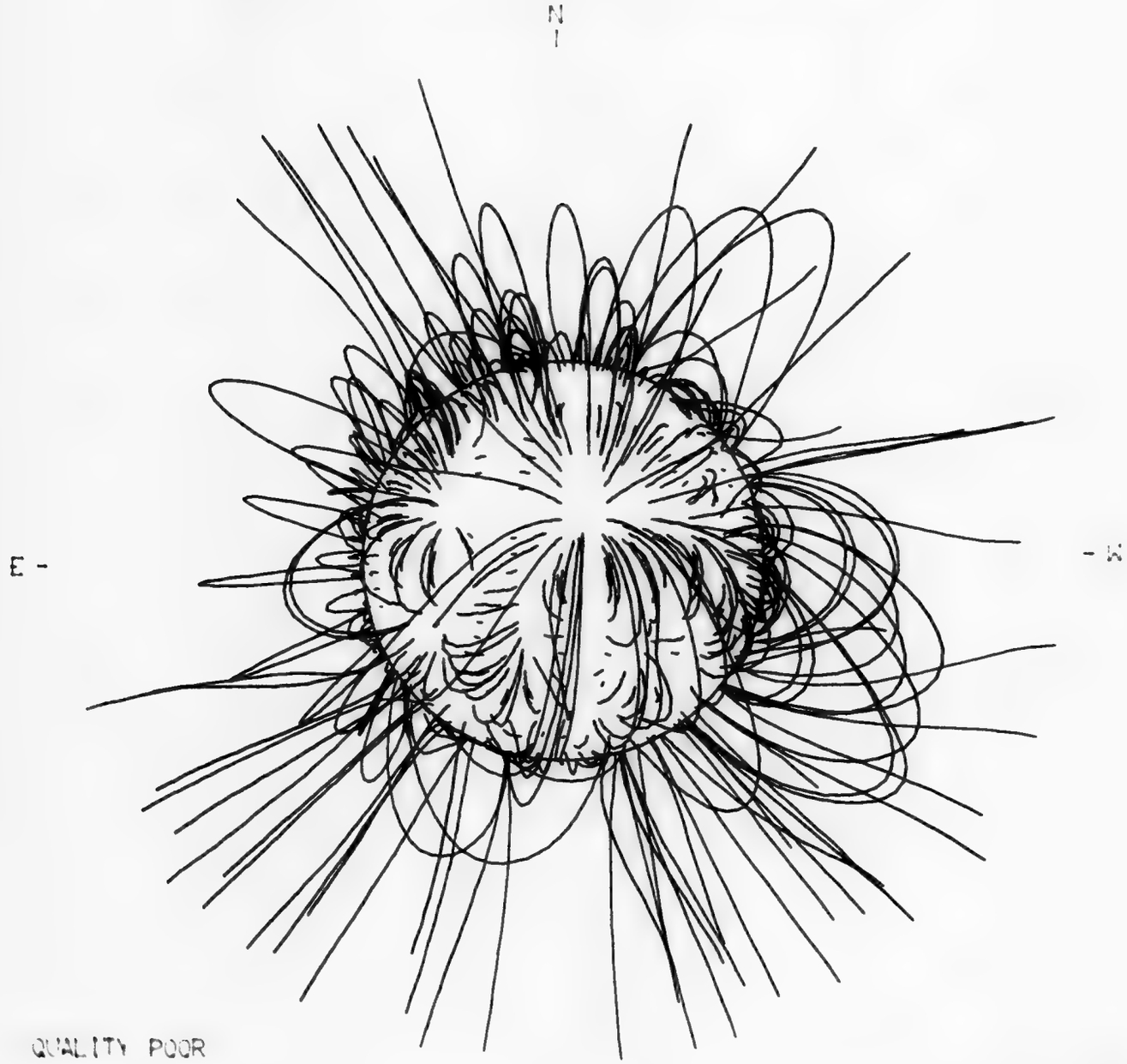
POLES DIRECT

DATA WINDOW 1445.47

ROT. 1445 LONG. 70°

22 OCT 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.47

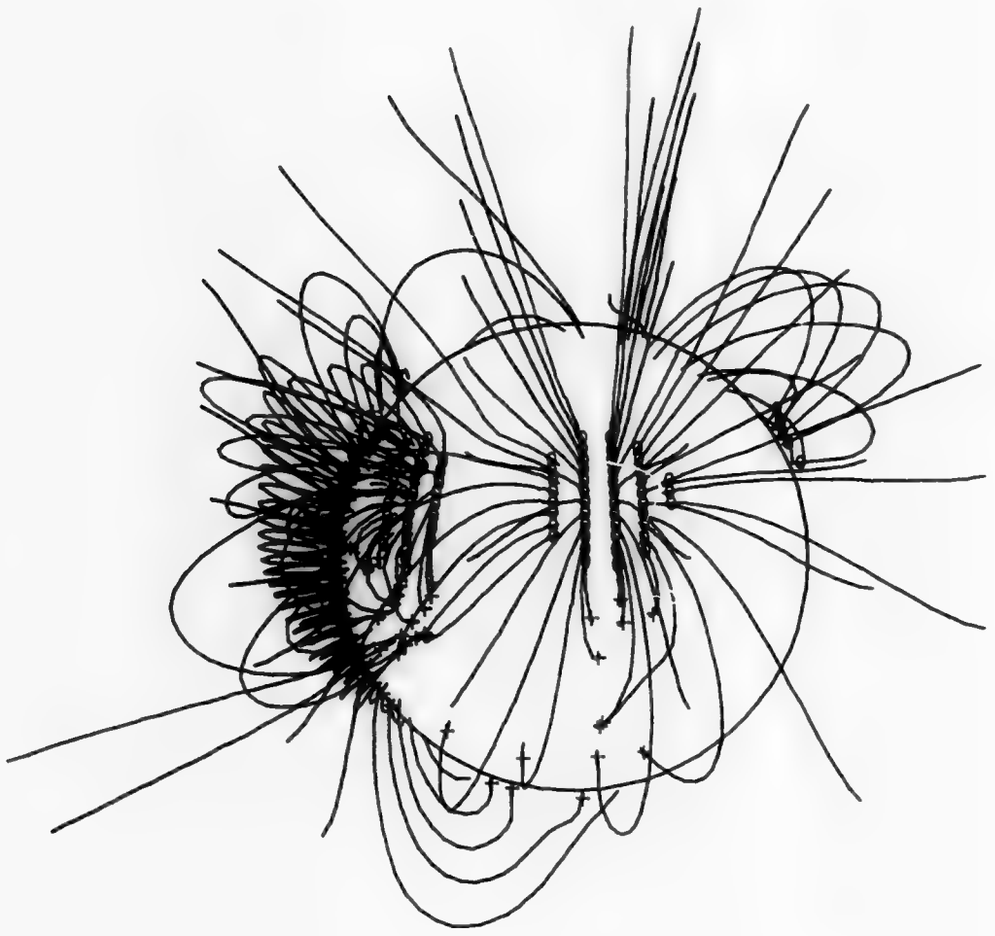
ROT. 1445 LONG. 60°

3.0 OCT 196

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

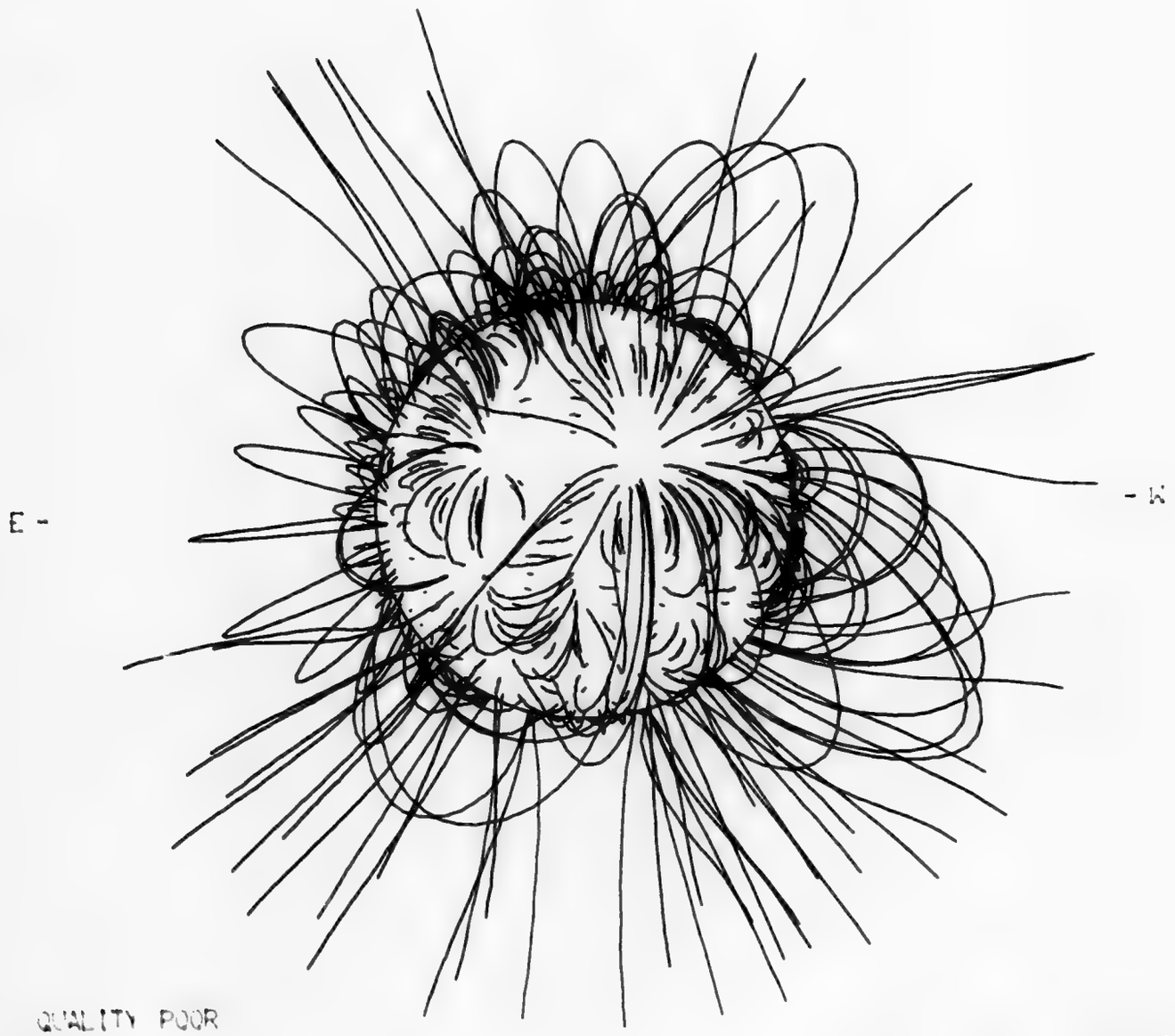
POLES DIRECT

DATA WINDOW 1445.47

ROT. 1445 LONG. 60°

3.0 OCT '95

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

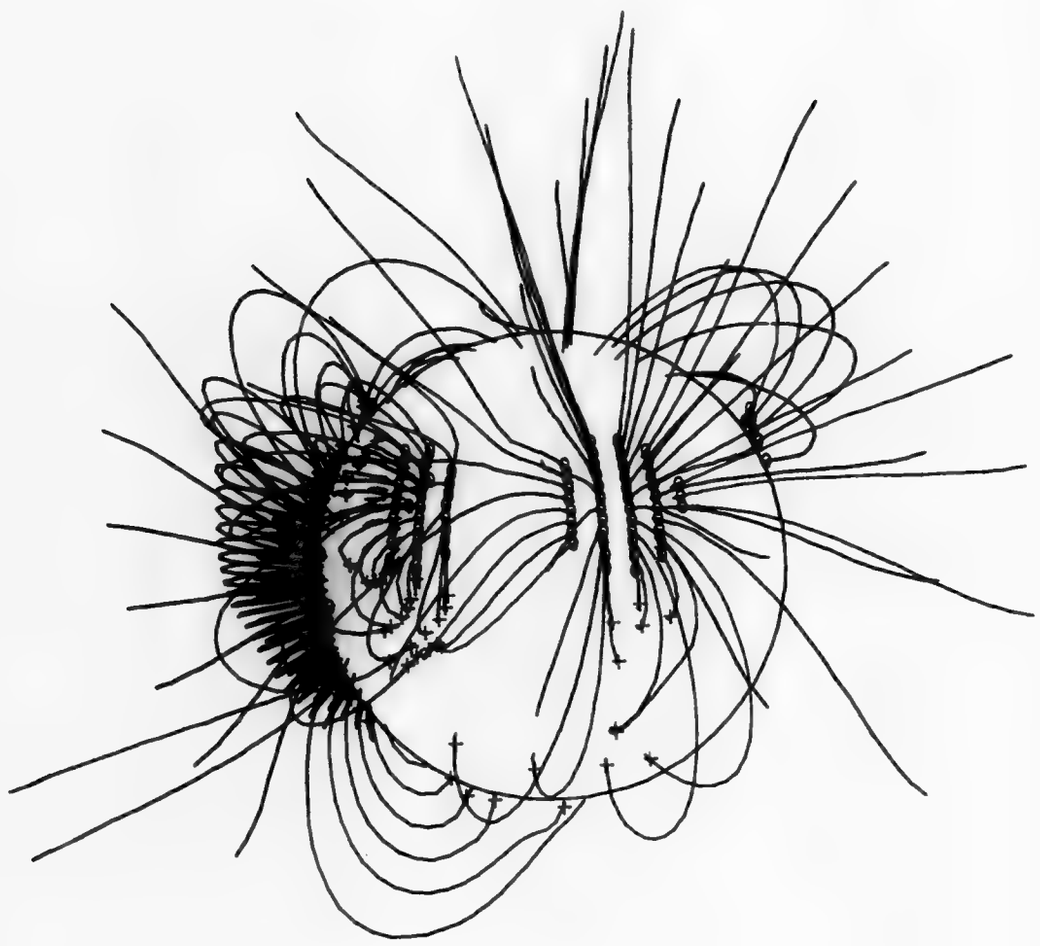
DATA WINDOW 1445.47

ROT. 1445 LONG. 5[illegible]°

3.7 [illegible] °95°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

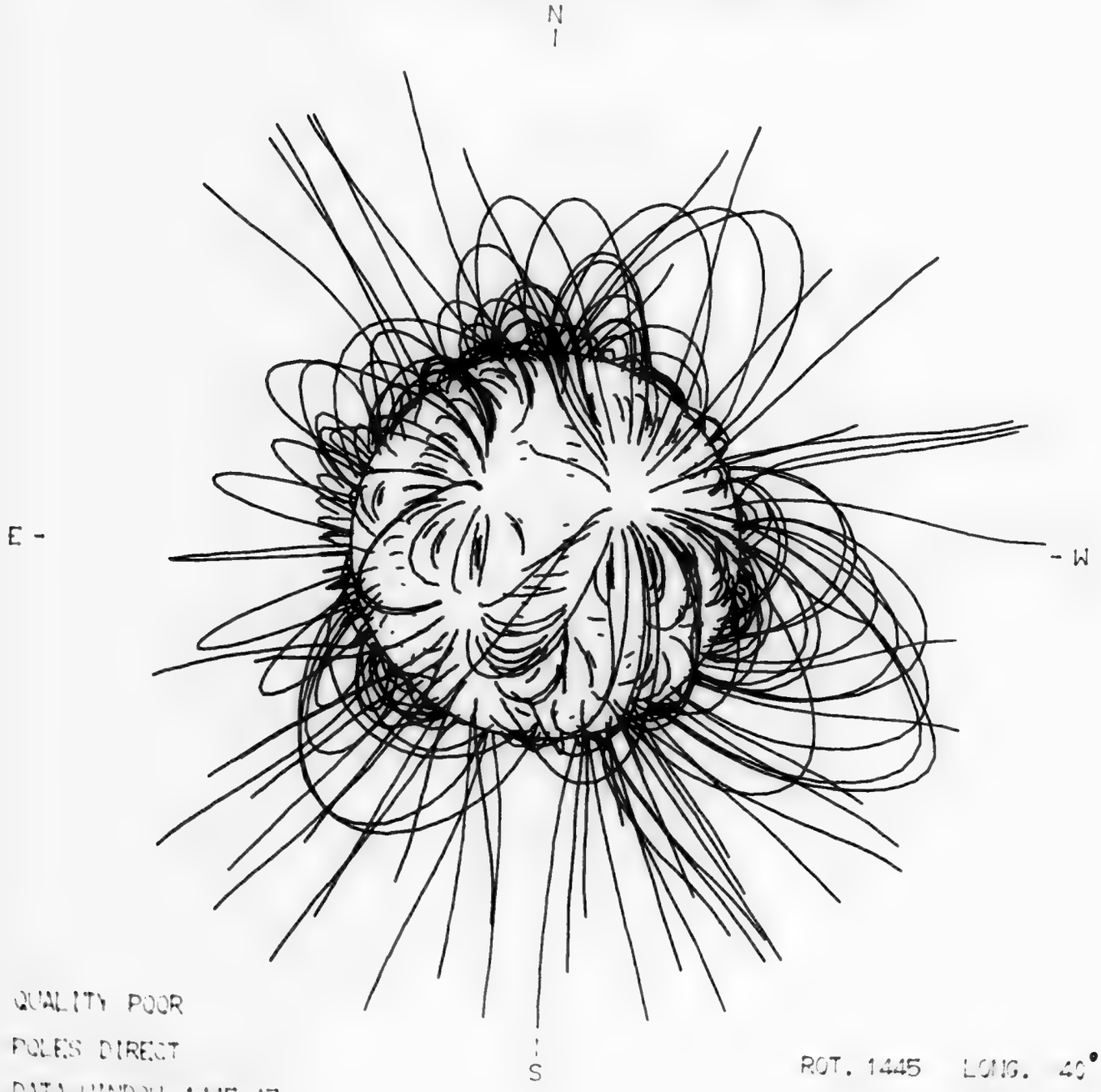
POLES DIRECT

DATA WINDOW 1445.47

ROT. 1445 LONG. 50°

3.7 OCT 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.47

ROT. 1445 LONG. 40°

4.5 OCT 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.47

ROT. 1445 LONG. 4[illegible]°

4.5 SET [illegible]°

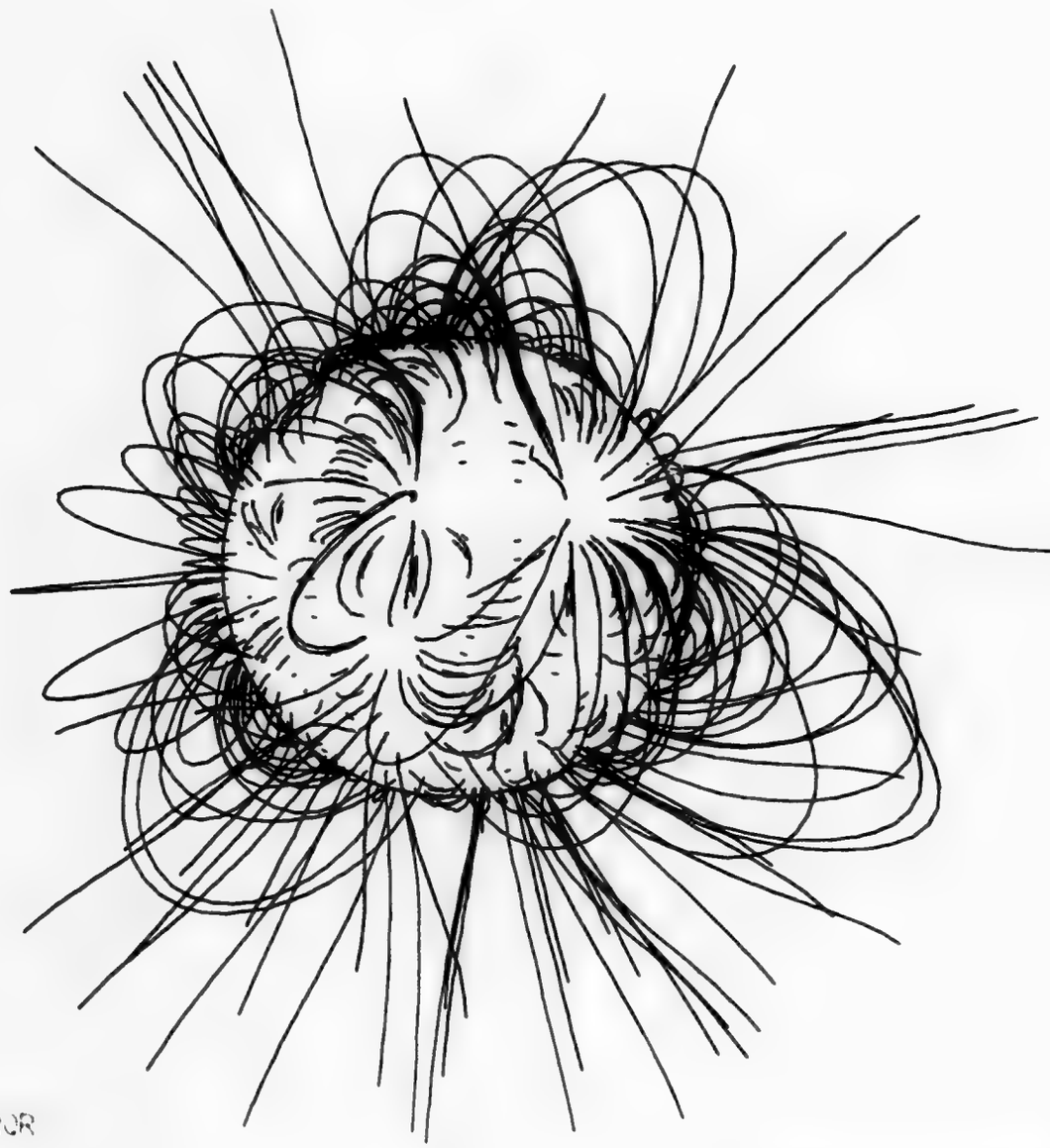
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

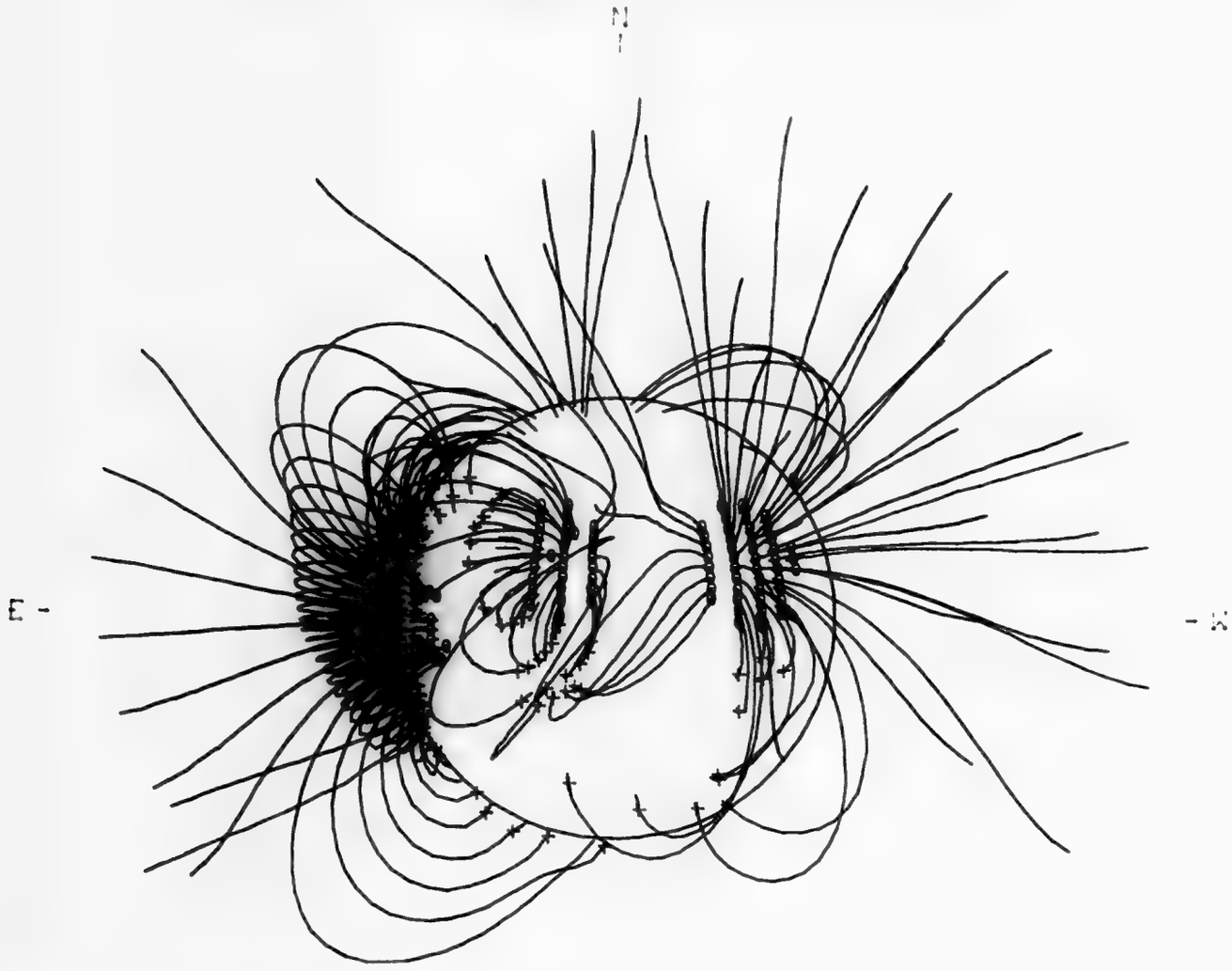
POLES DIRECT

DATA WINDOW 1445.47

ROT. 1445 LONG. 30°

5.3 LAT 1.96°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.47

ROT. 1445 LONG. 30°

5.3 [illegible]

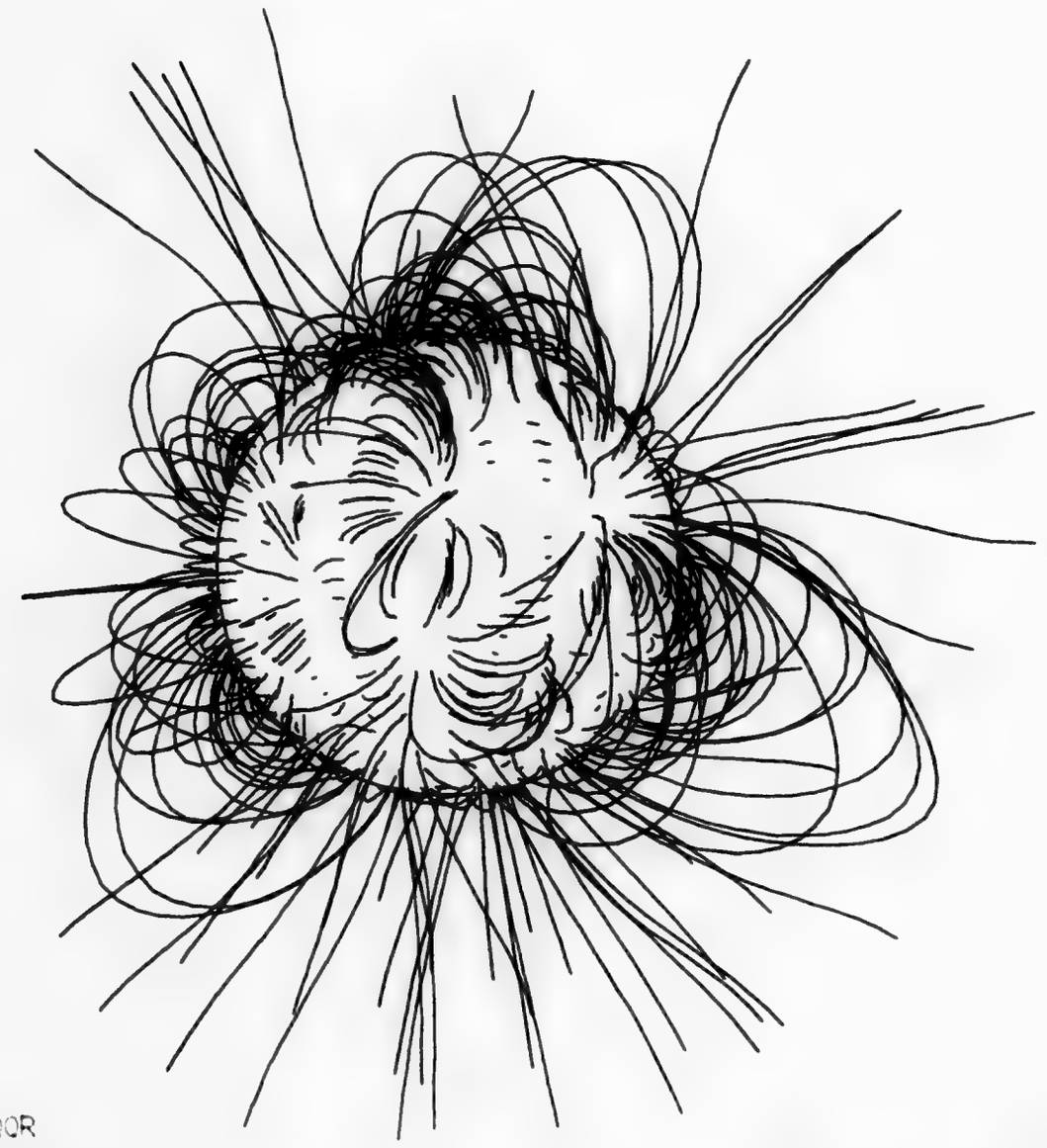
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

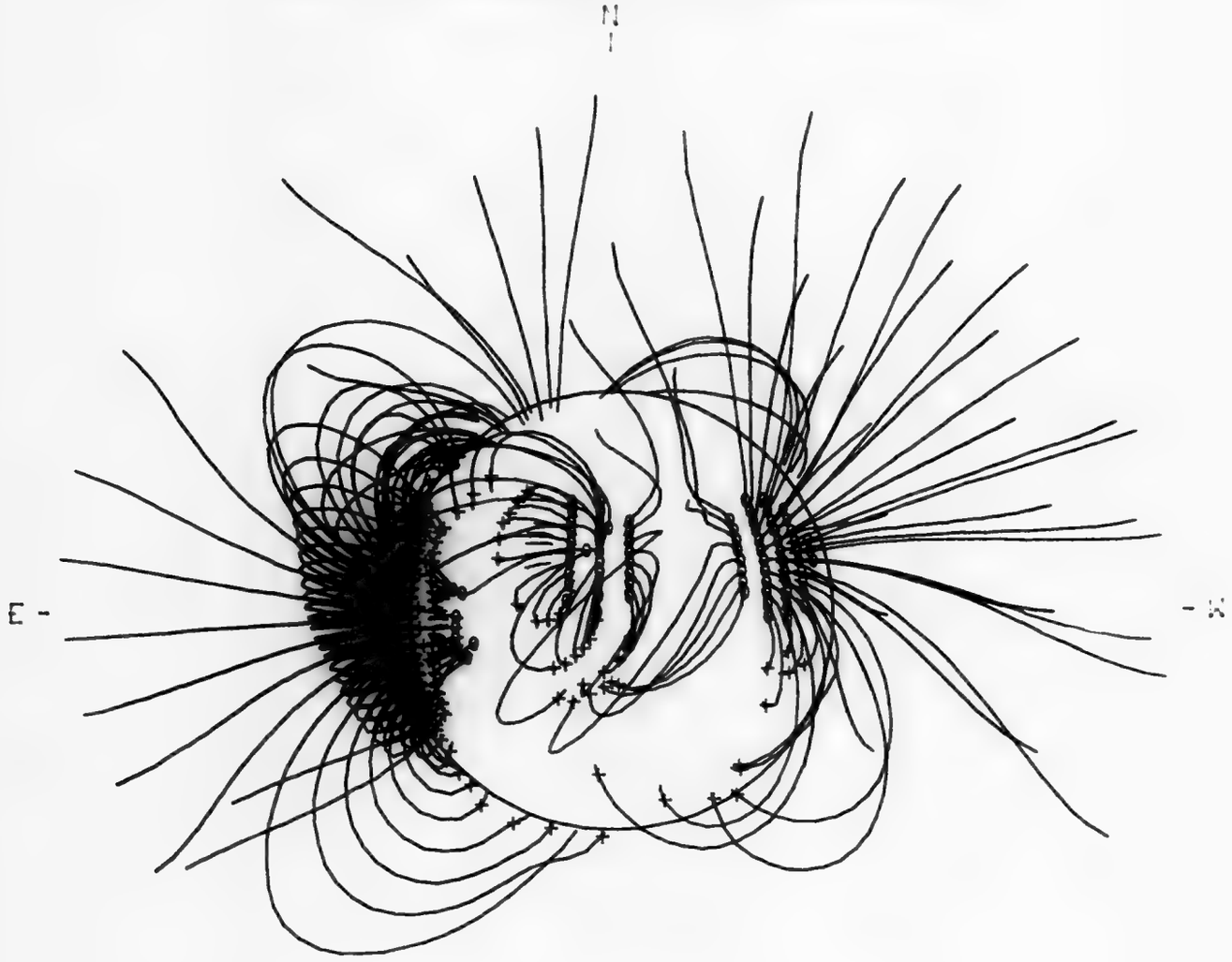
POLES DIRECT

DATA WINDOW 1445.47

ROT. 1445 LONG. 20°

5.0 OCT 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

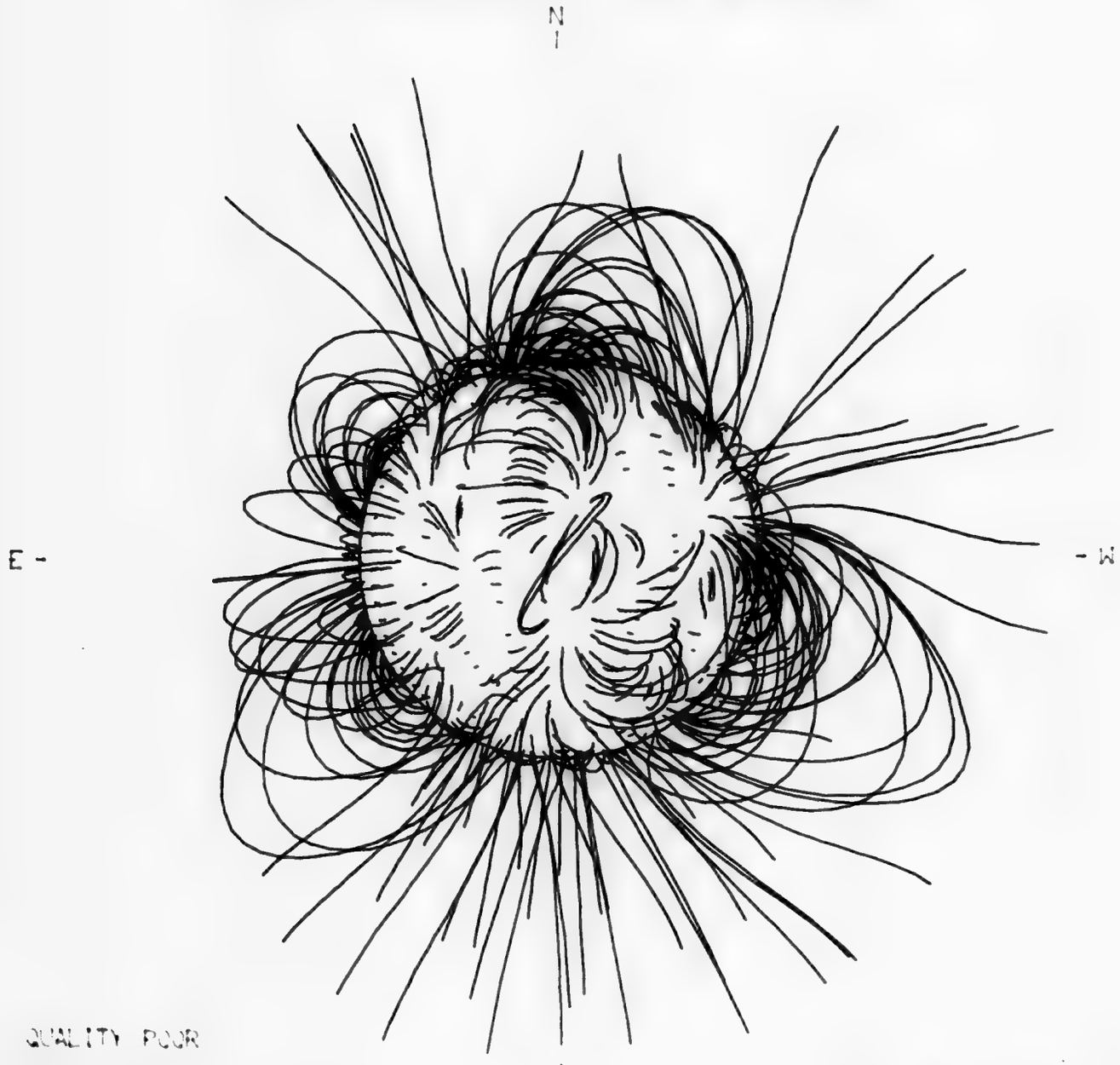
POLES DIRECT

DATA WINDOW 1445.47

ROT. 1445 LONG. 20°

6.0 DOT 45°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

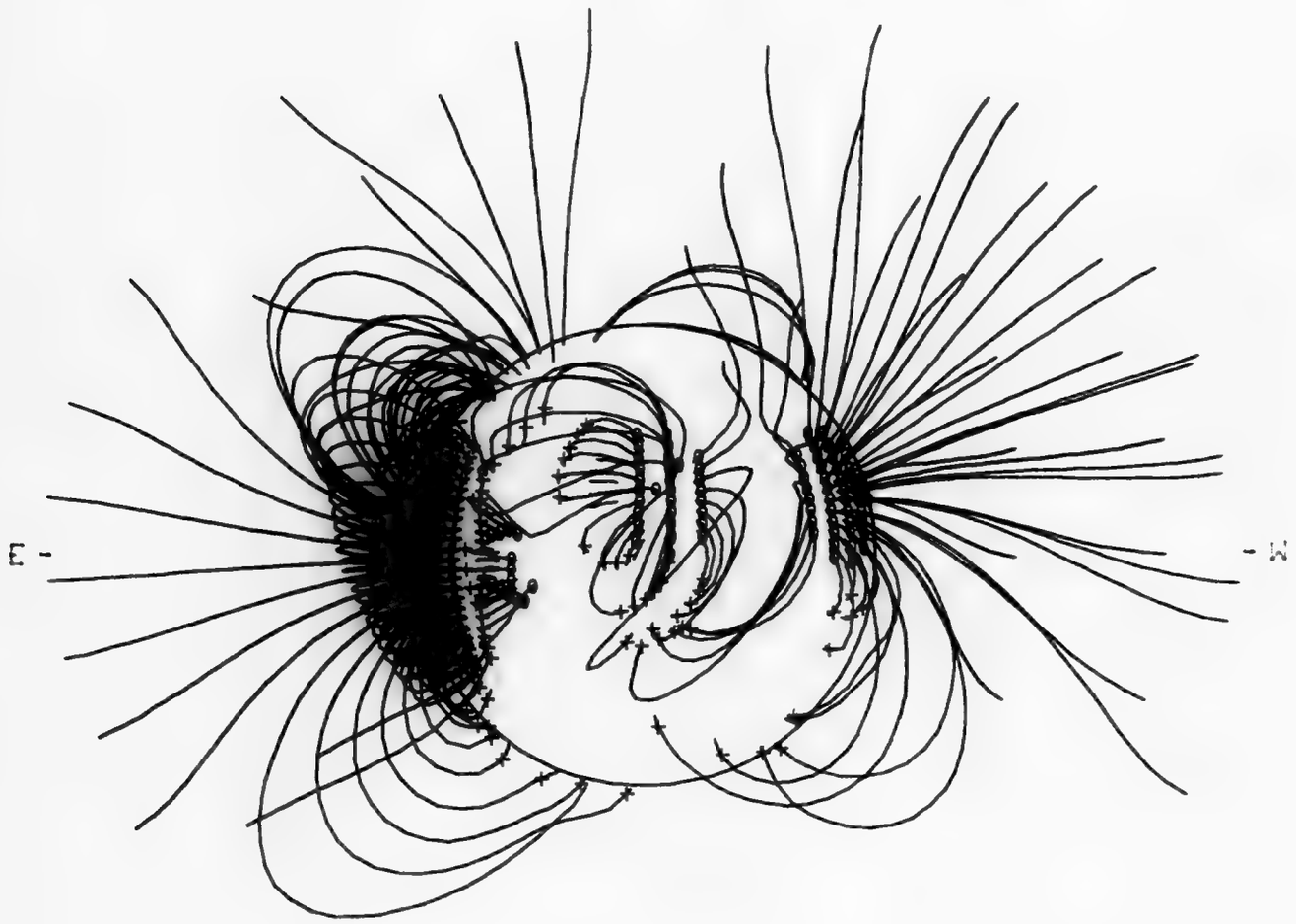
POLES DIRECT

DATA WINDOW 1445.47

ROT. 1445 LONG. 0°

5.8 [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.47

ROT. 1445 LONG. [illegible]°

6.8 OCT 1961

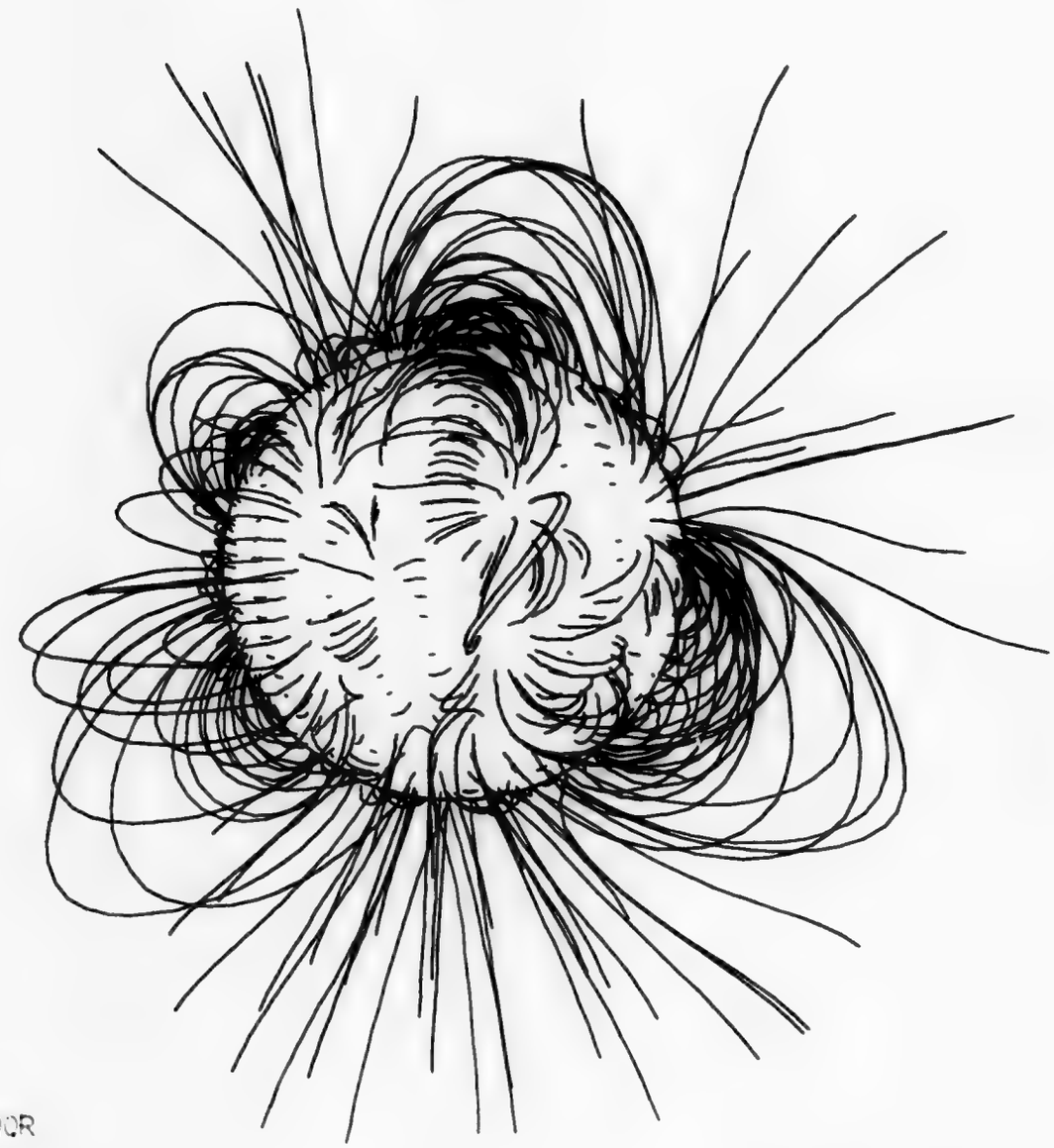
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

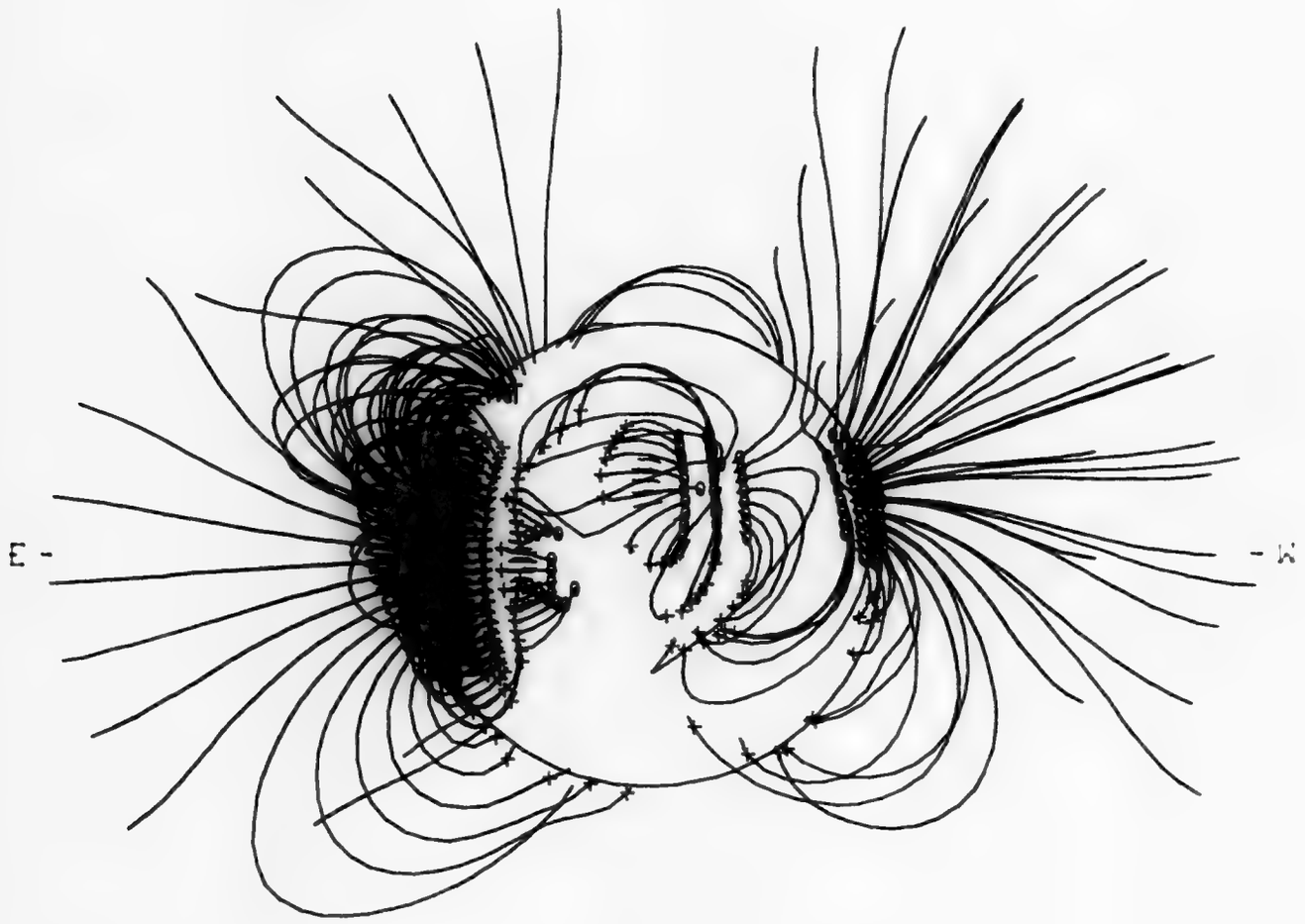
POLES DIRECT

DATA WINDOW 1445.47

ROT. 1445 LONG. 0°

7.5 OCT 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

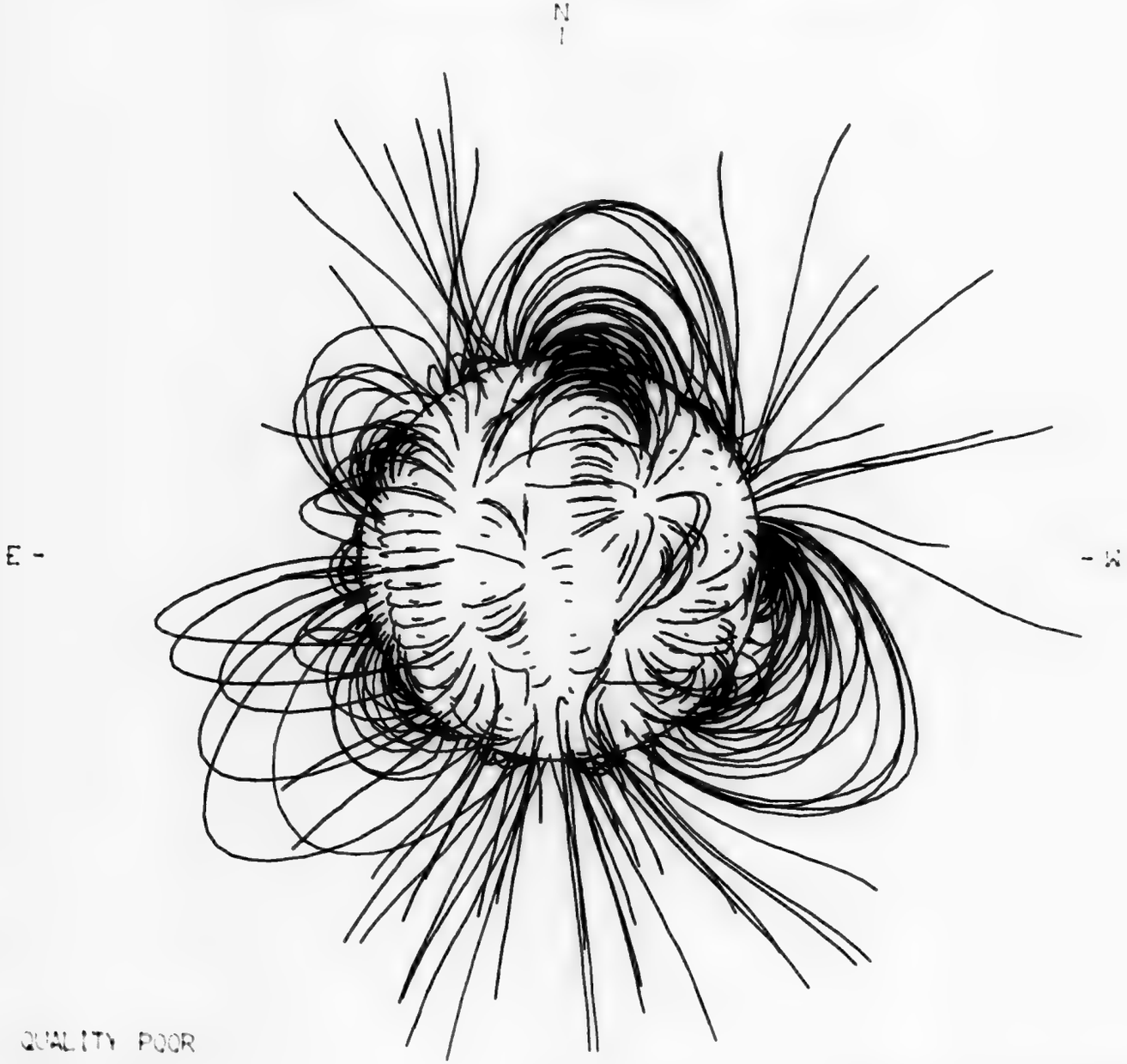
POLES DIRECT

DATA WINDOW 1435.47

ROT. 1445 LONG. 0°

7.5 OCT 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

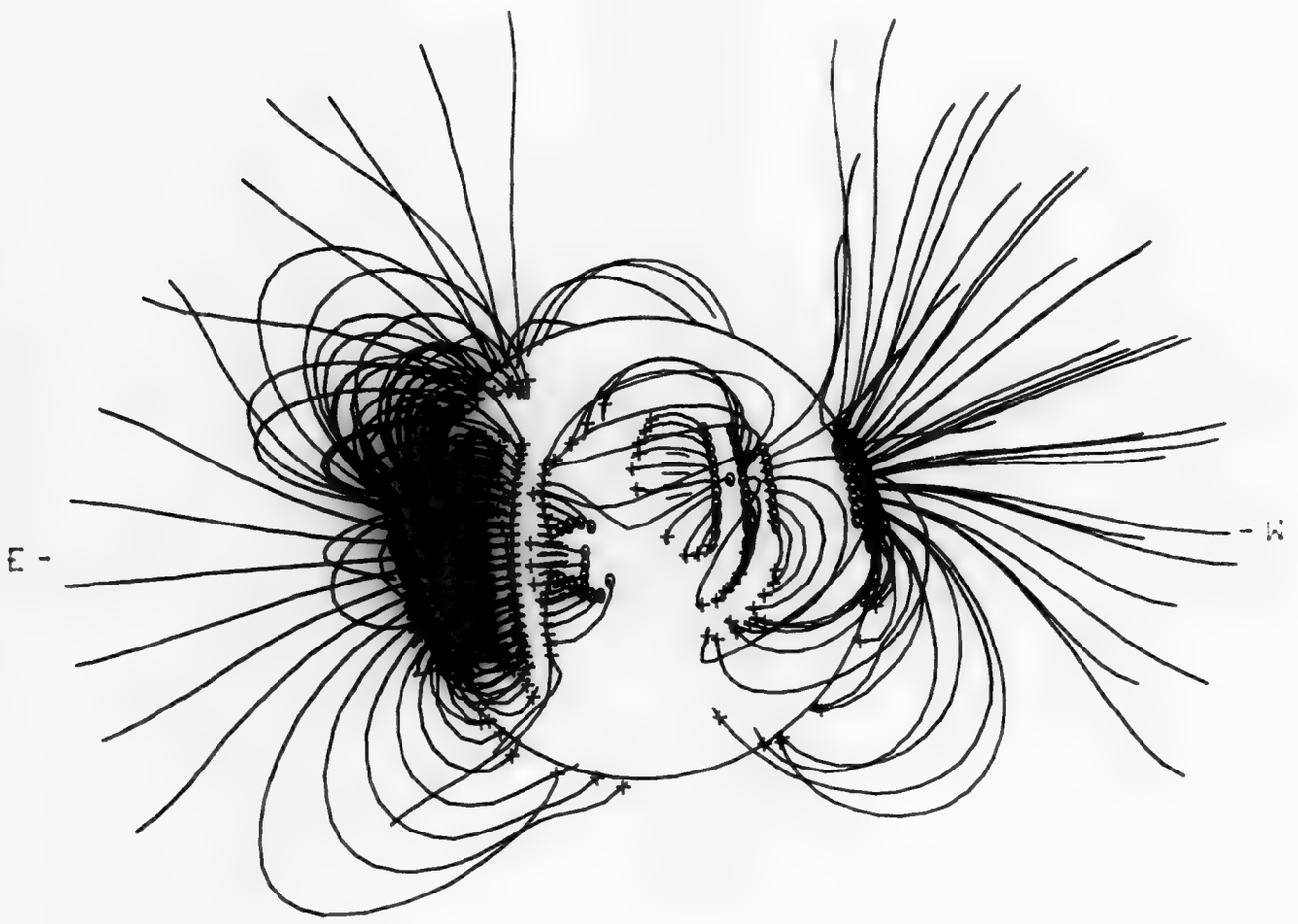
POLES DIRECT

DATA WINDOW 1445.47

ROT. 1446 LONG. 350°

8.3 LAT 1.6°

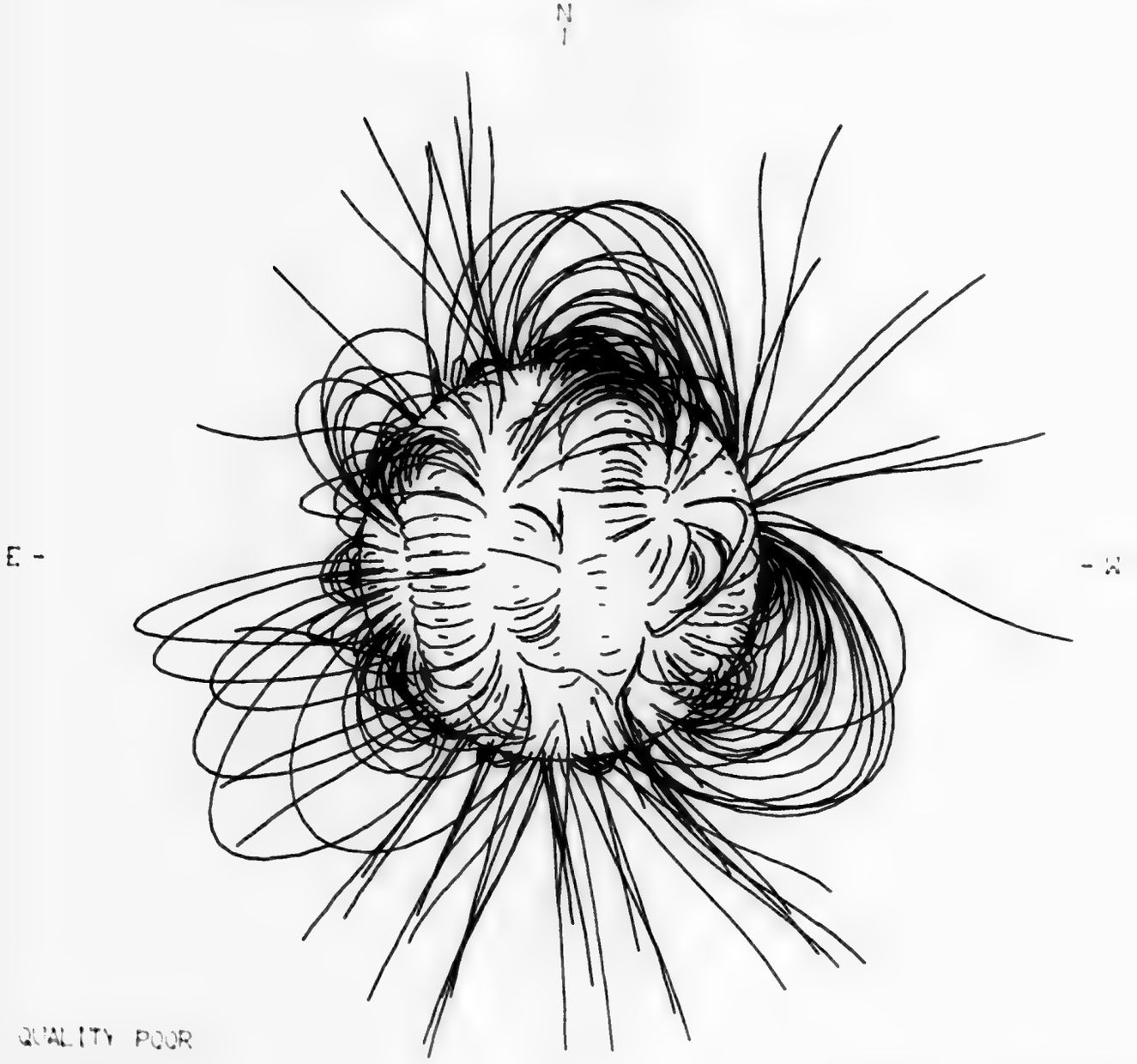
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1.1.5.17

ROT. 1.1.5 L.T.D. 35[illegible]°
8.3 OCT 19[illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

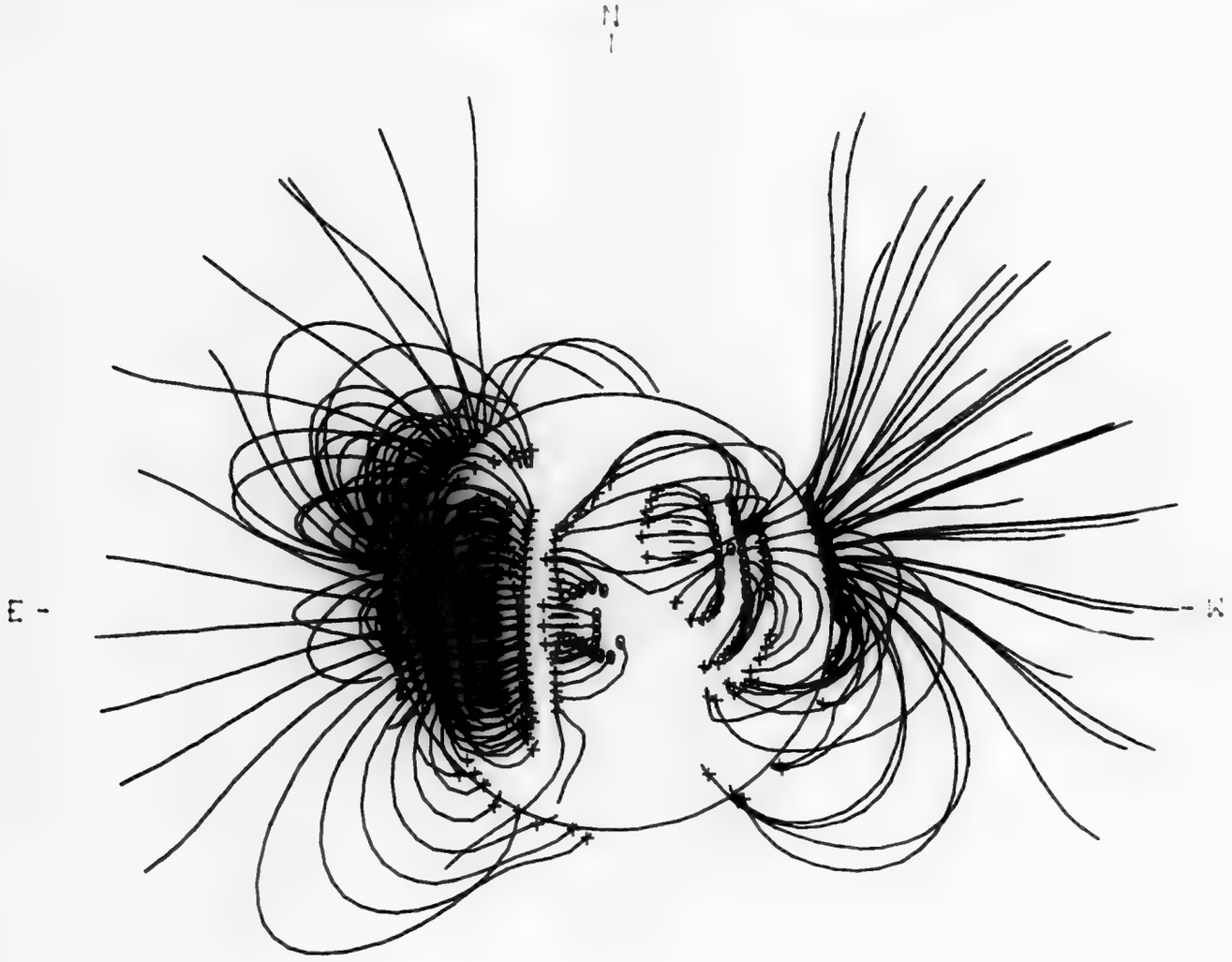
POLES DIRECT

DATA WINDOW 1.1.5.47

ROT. 1446 LONG. 340°

9.0 DET 1.6°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.47

ROT. 1446 LONG. 340°

9.0 LAT 7.5°

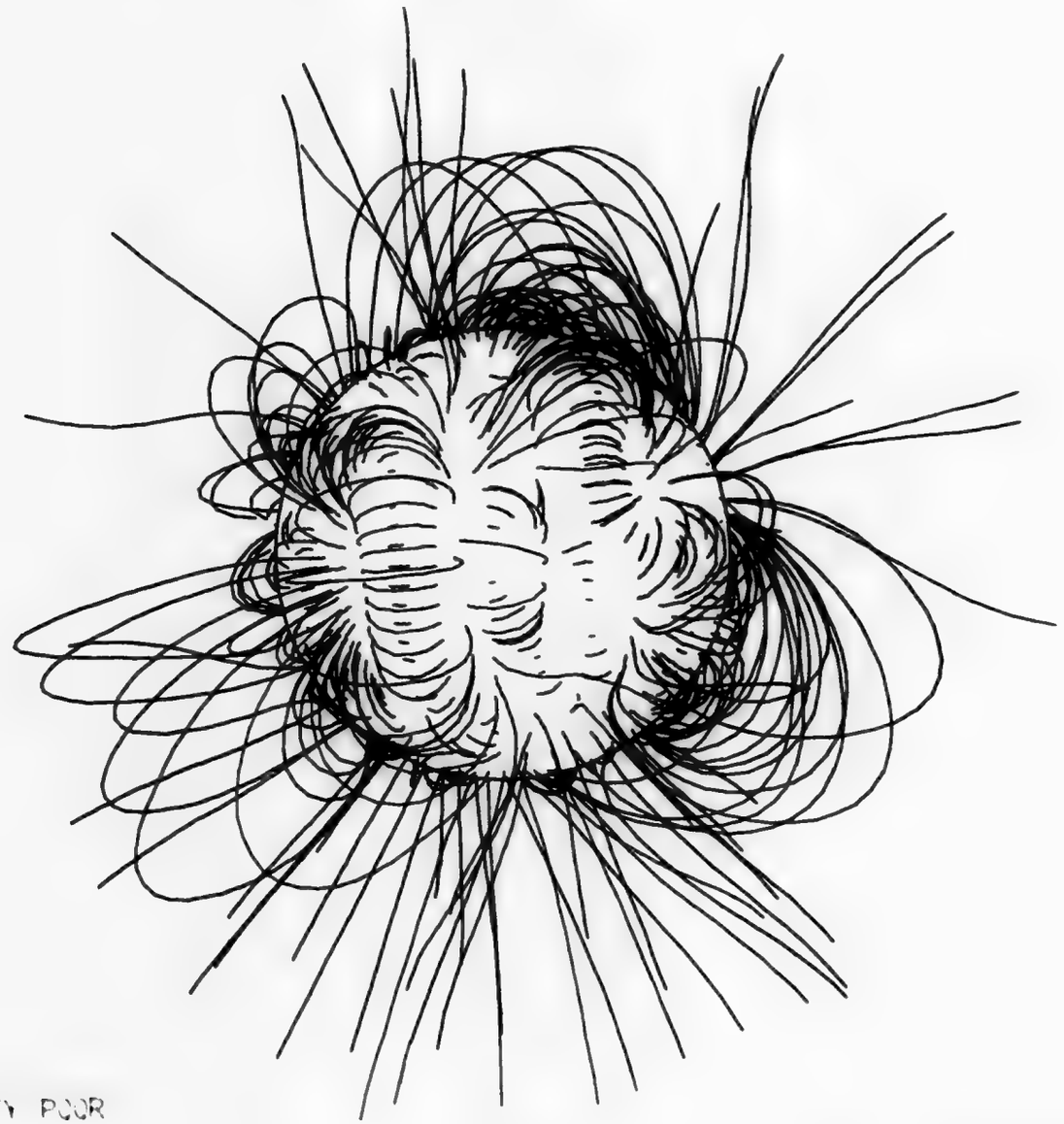
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.47

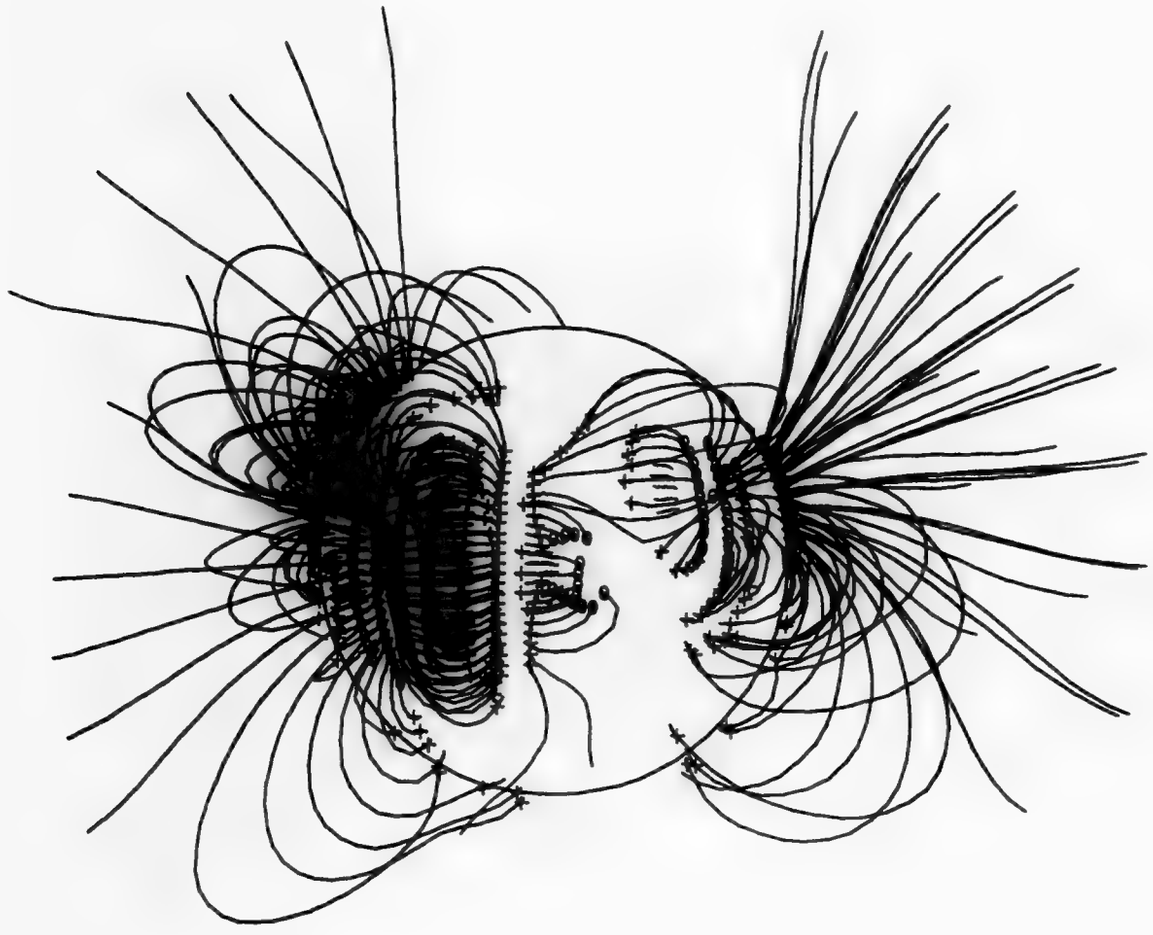
ROT. 1446 L=13. 35°

9.8 OCT 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.47

ROT. 1445 LONG. 330°

9.8 DOT 165°

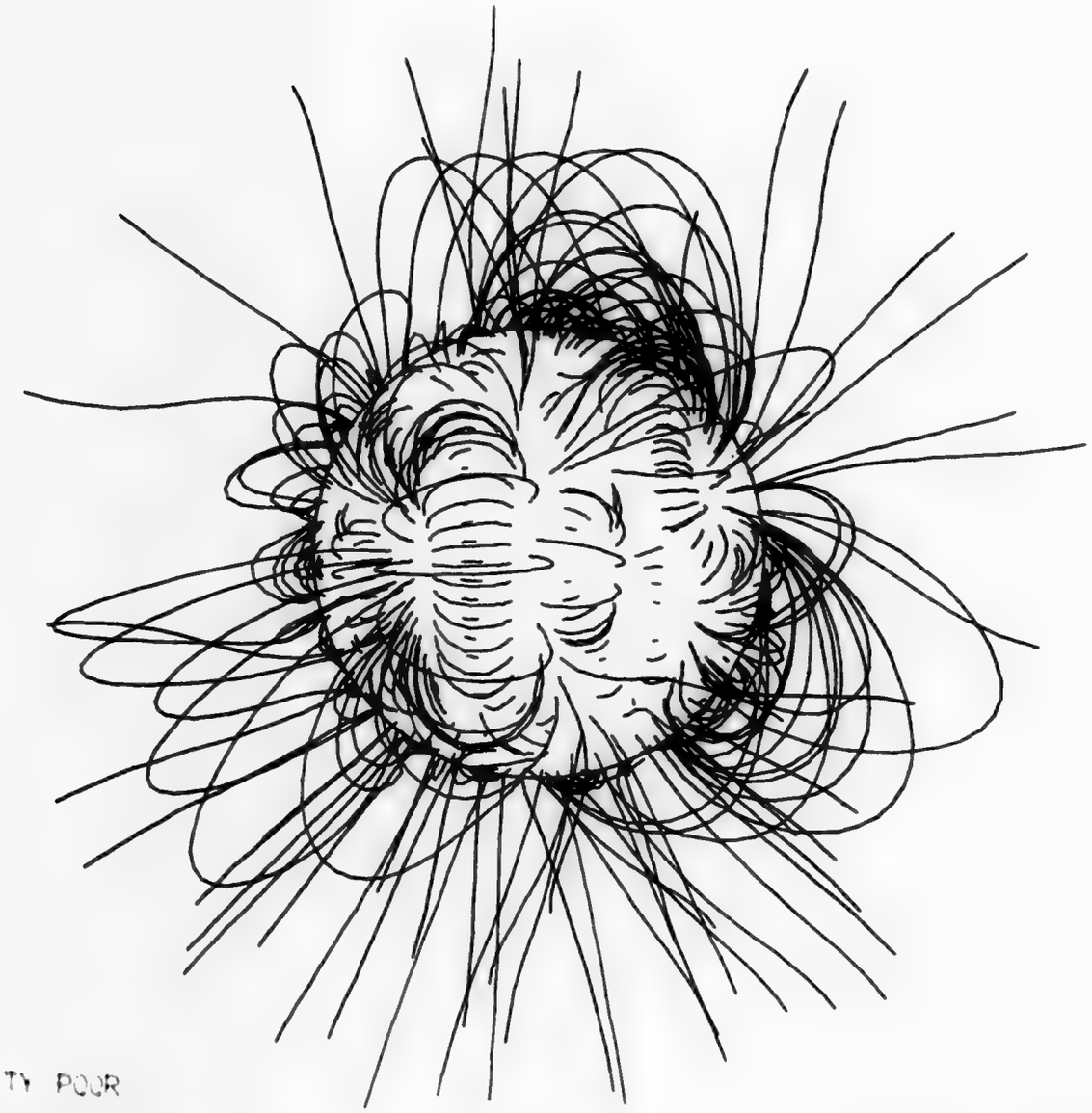
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

POLES DIRECT

DATA WINDOW 1145.47

ROT. 1445 LONG. 300°

10.6 OCT 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

QUALITY POOR

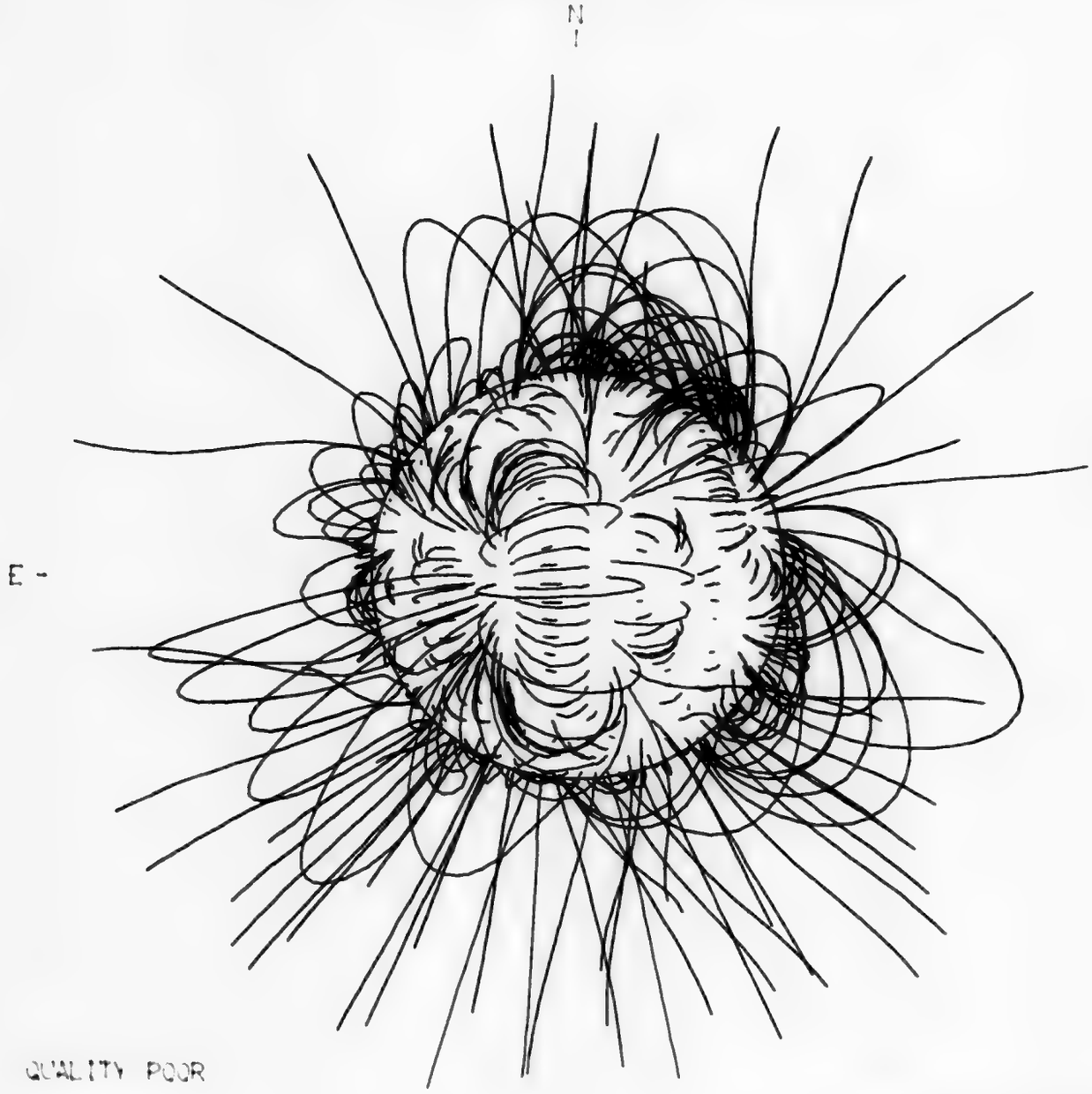
POLES DIRECT

DATA WINDOW 1445.3°

ROT. 1446 LONG. 320°

10.6 SET 196°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.47

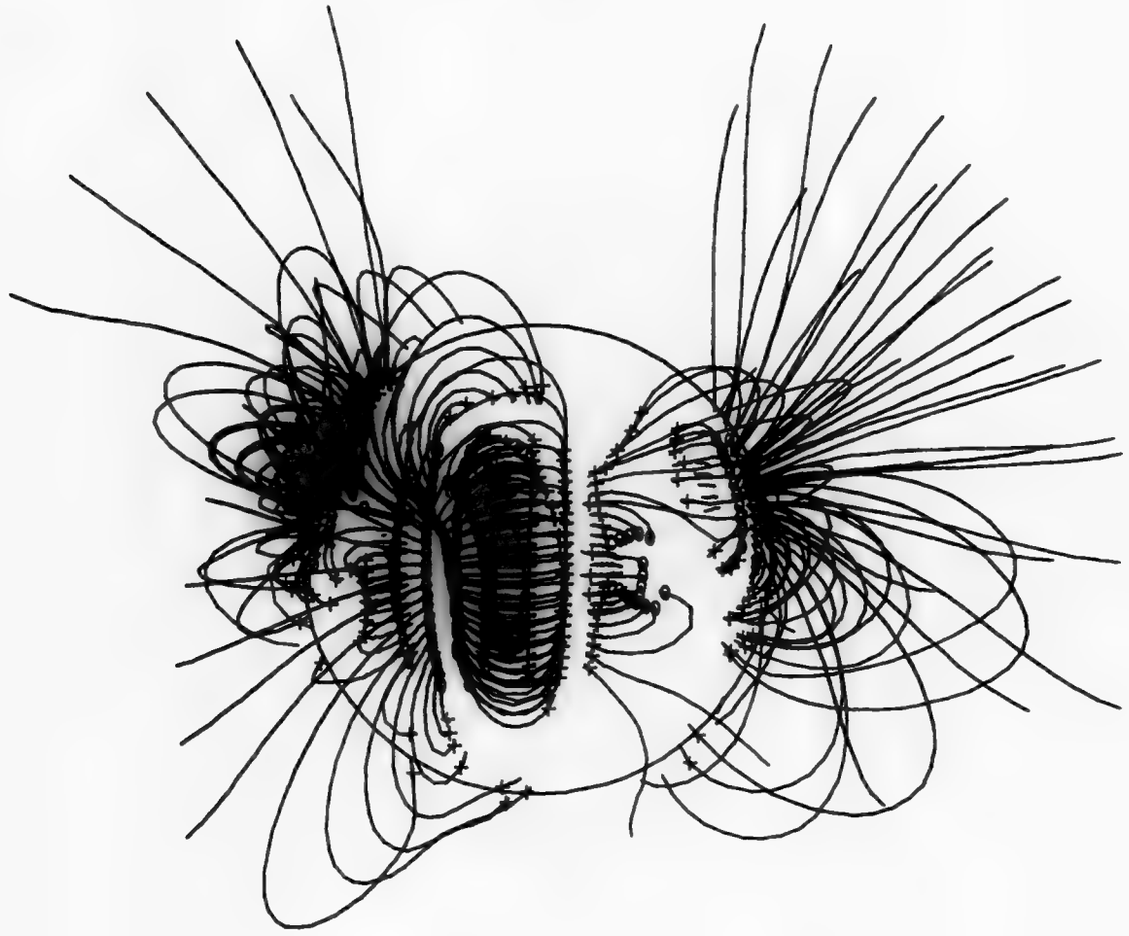
ROT. 1445 L.N.S. 3°.3°

11.3 UT 1956

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

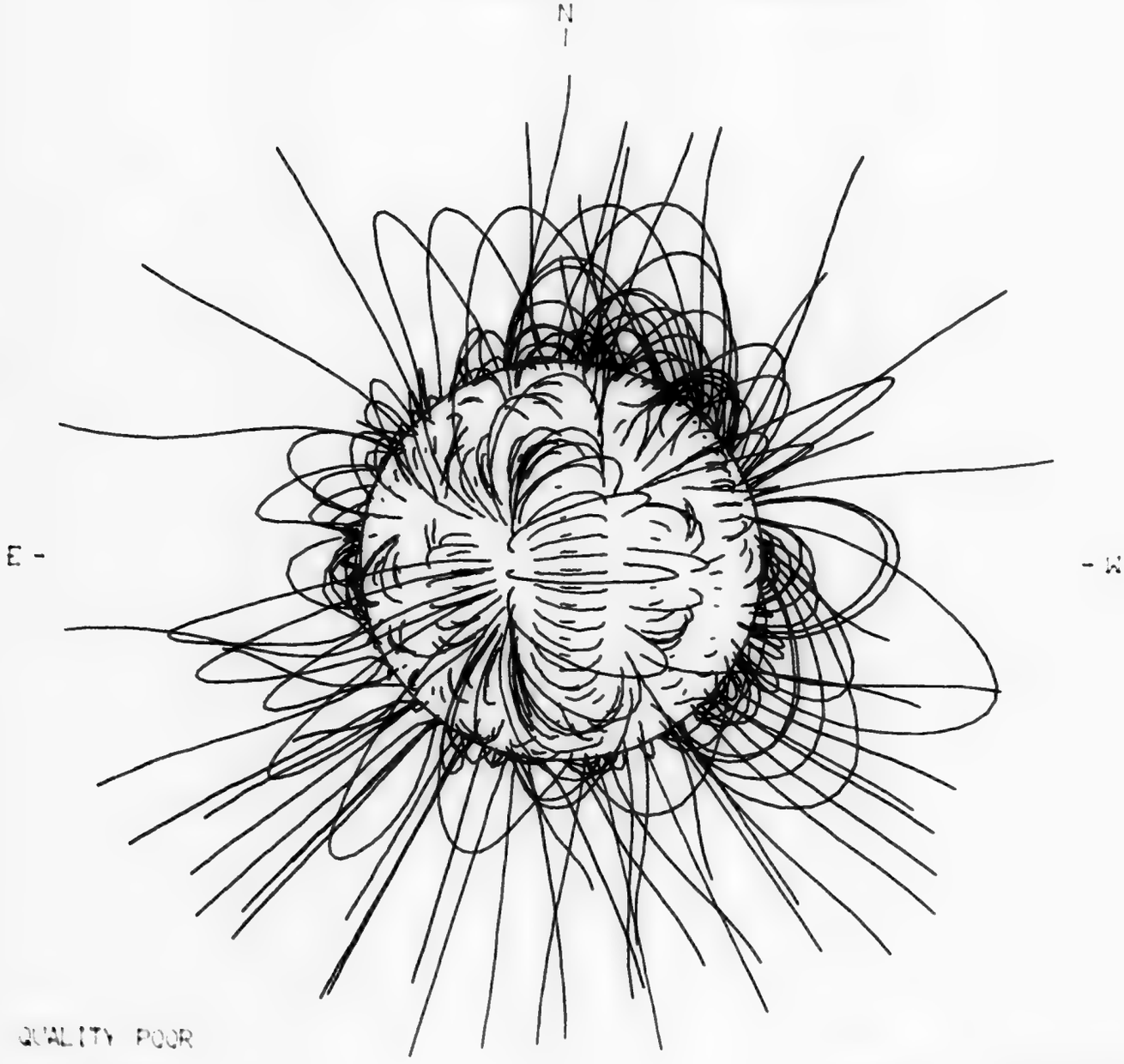
POLES DIRECT

DATA WINDOW 1445.47

ROT. 1445 LONG. 3[illegible]°

11.3 OCT [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

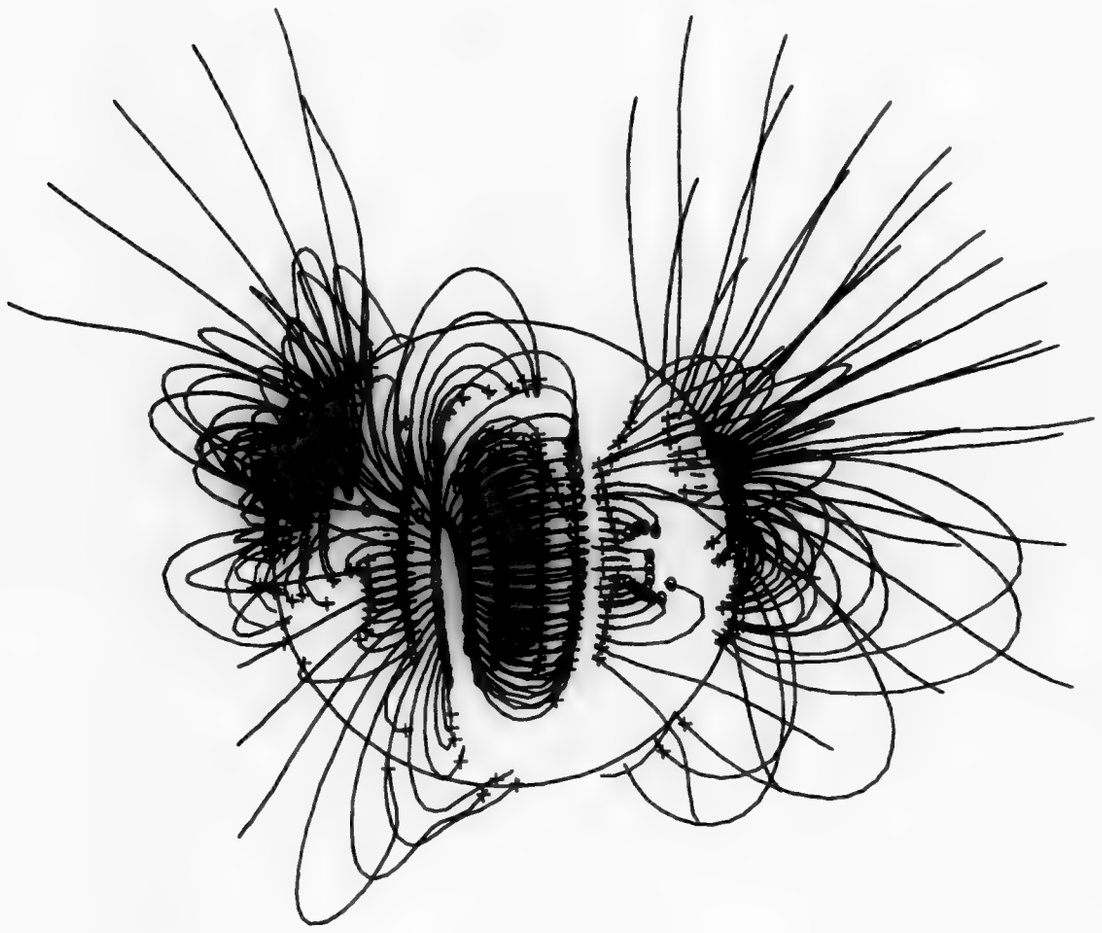
DATA WINDOW 1445.4?

ROT. 1446 LONG. 300°

12.1 LAT 4°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

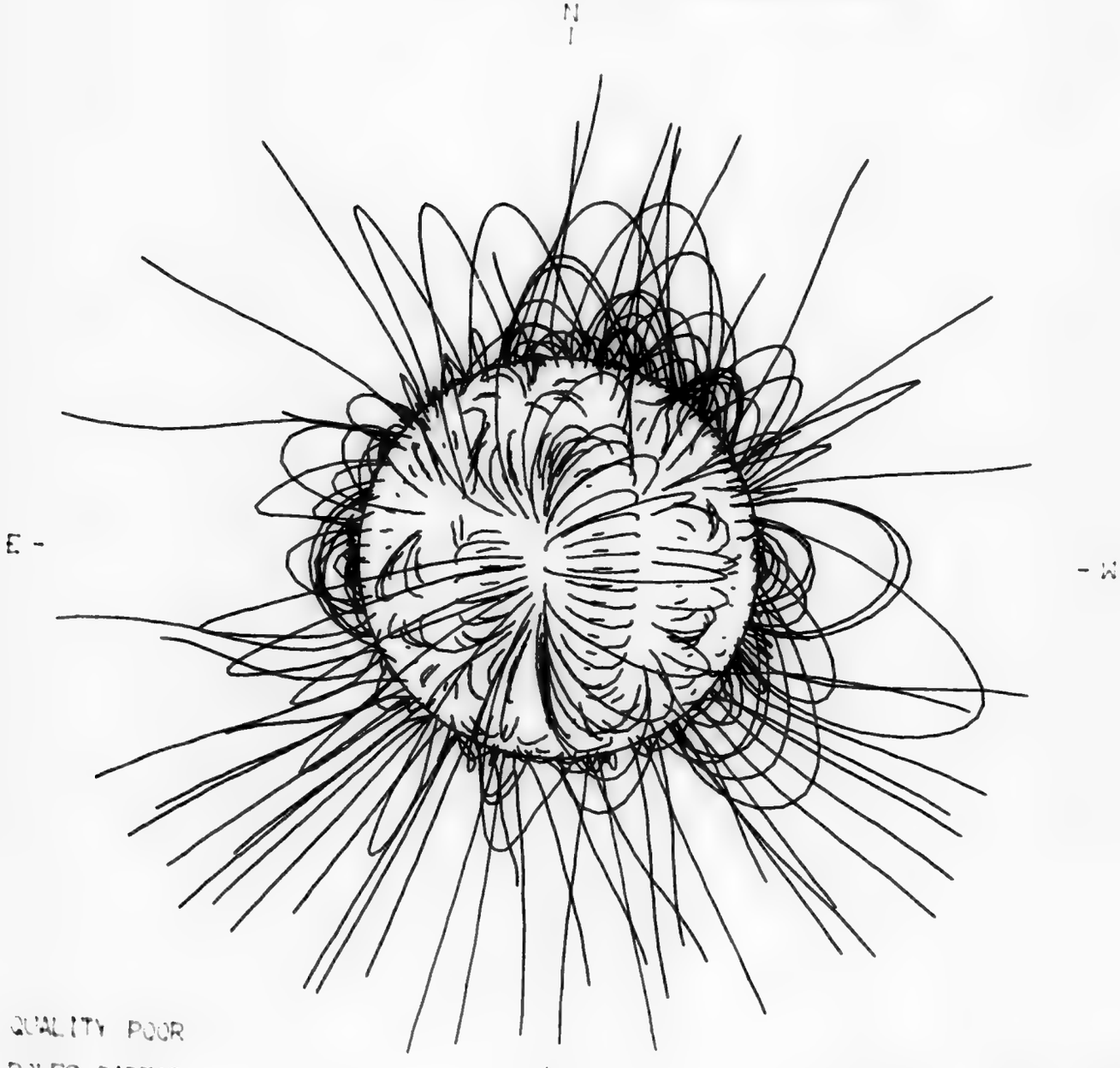
POLES DIRECT

DATA WINDOW 1.1.5.47

ROT. 1.1.6 LONG. 3.6°

12.1 .0T .6.5°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.4°

ROT. 1445 LONG. 250°

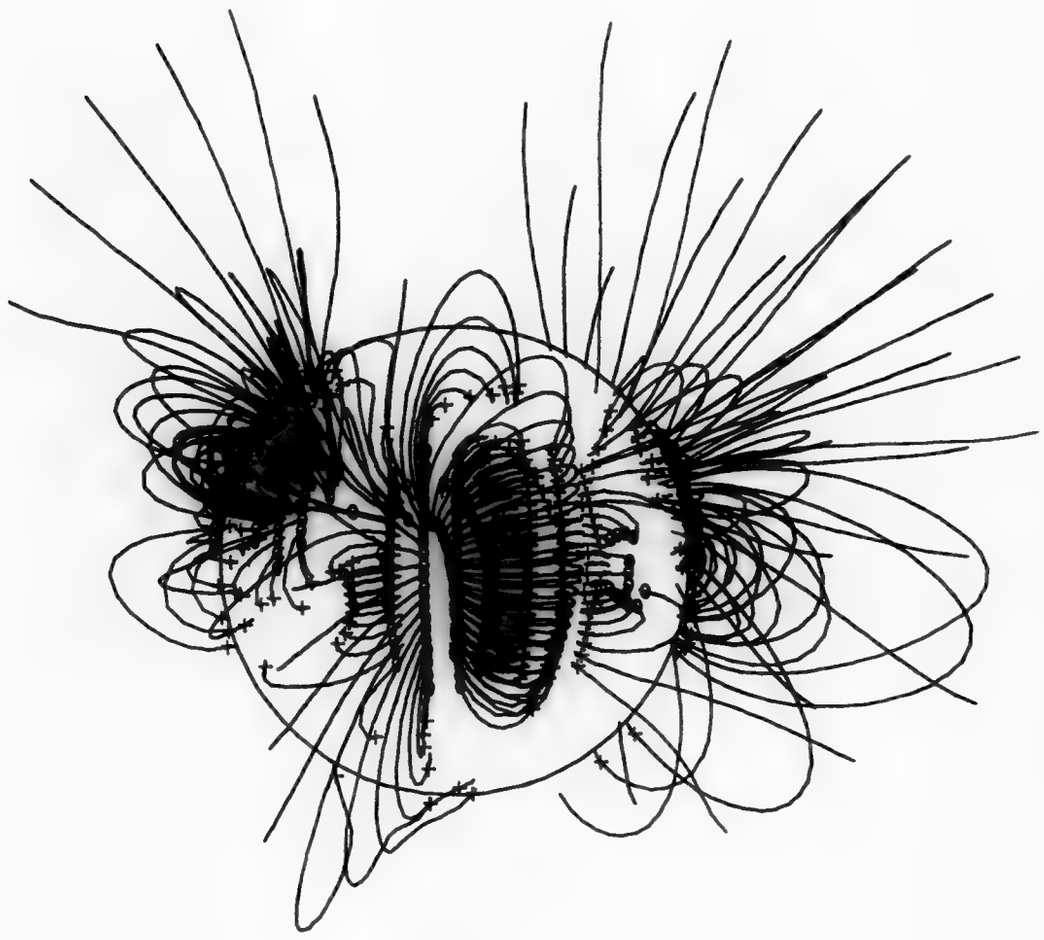
12.8 OCT 1951

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.47

ROT. 1445 LONG. 346°

12.8 UT 195°

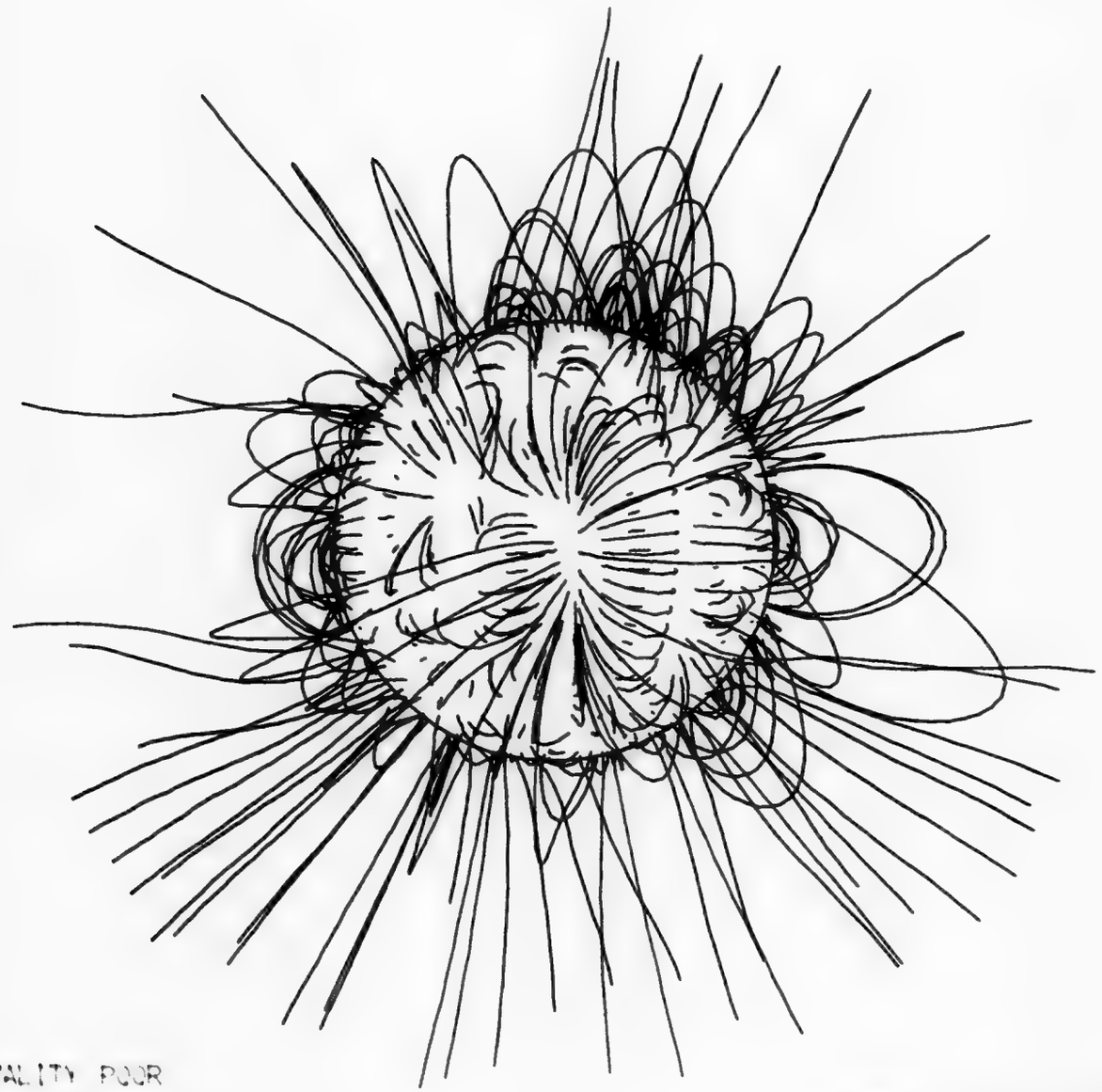
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.47

ROT. 1445 LONG. 280°

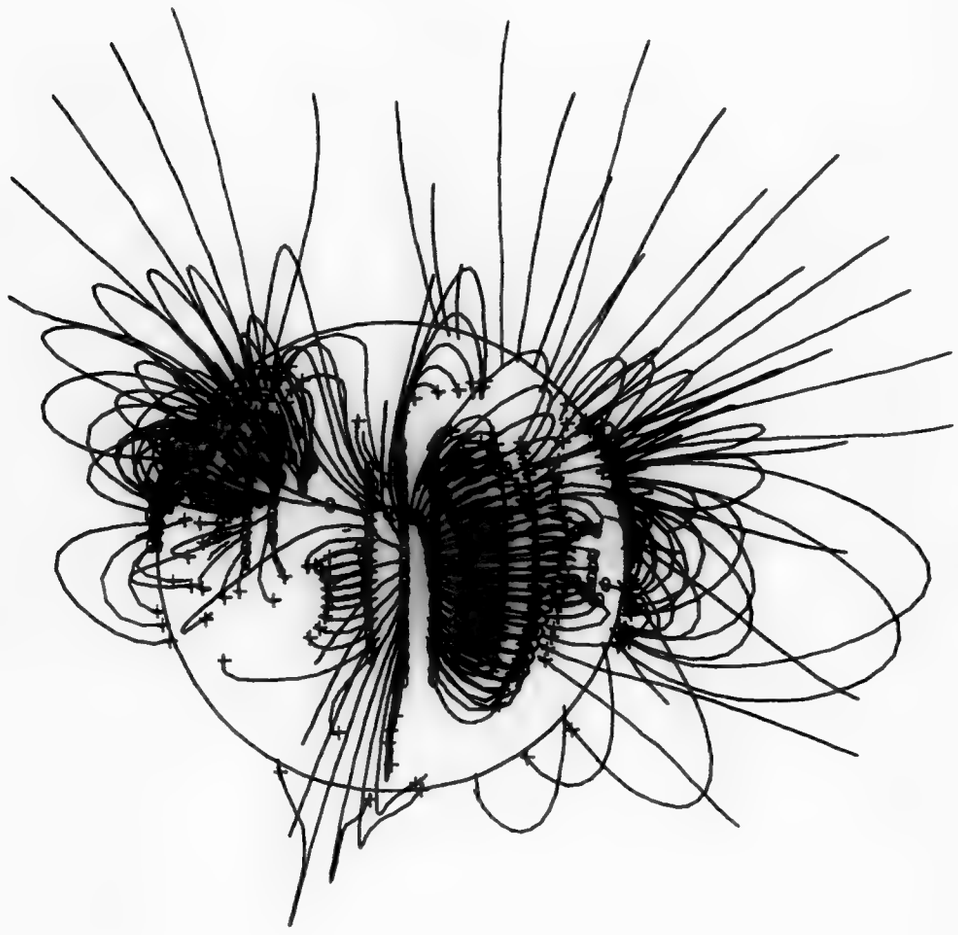
13.6 CRT 1.95°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

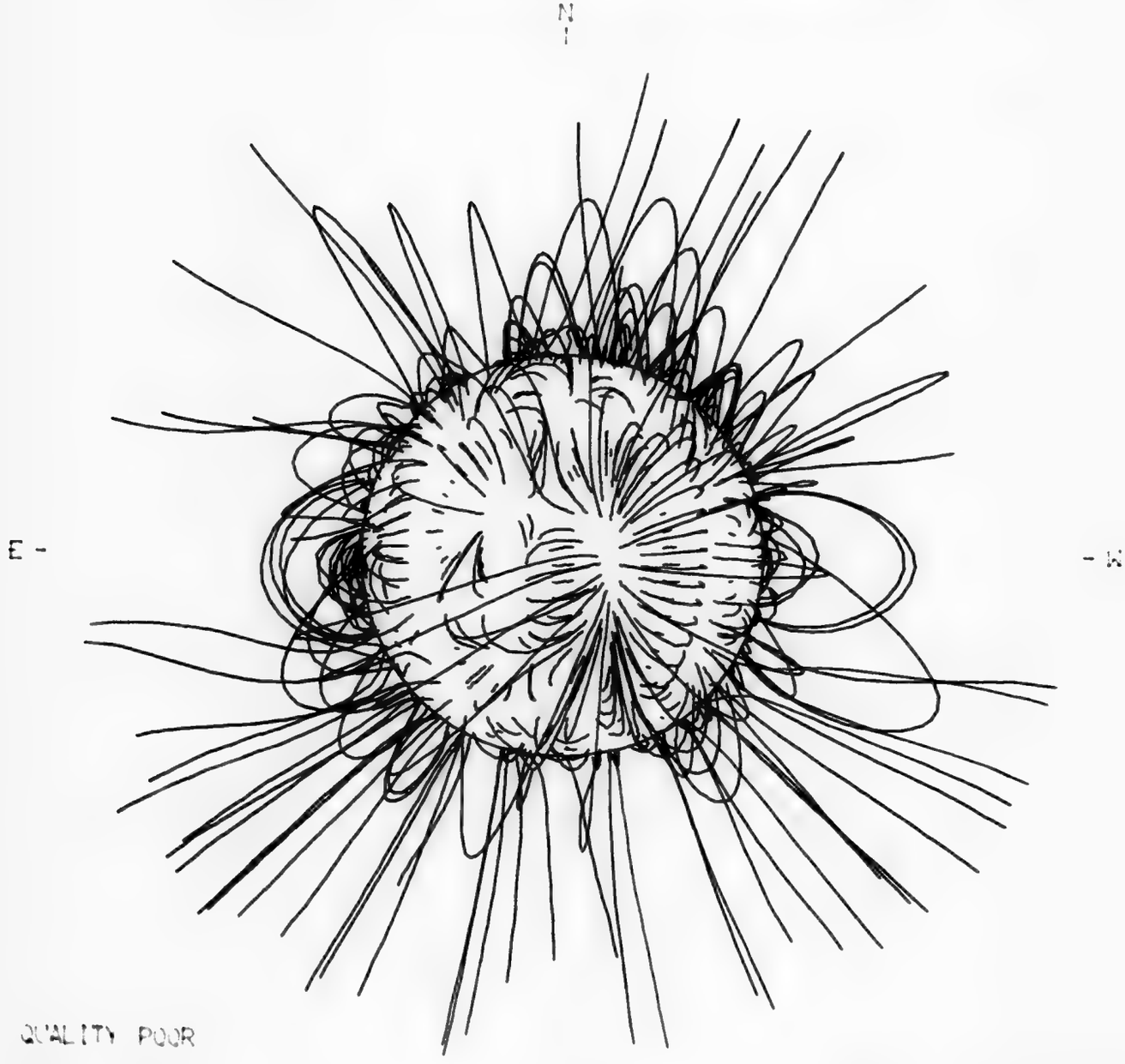
POLES DIRECT

DATA WINDOW 1445.47

ROT. 1445 LONG. 281°

13.6 OCT 196

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1445.4°

ROT. 1446 LONG. 270°

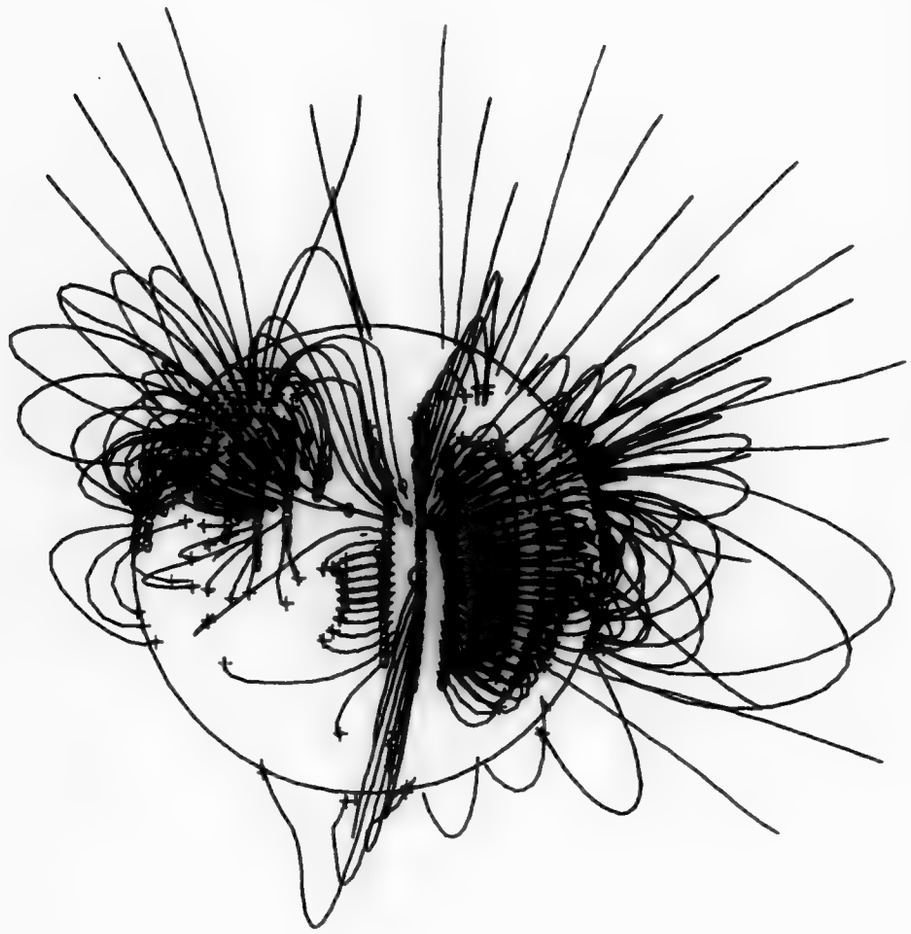
14.3 SCT 126°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

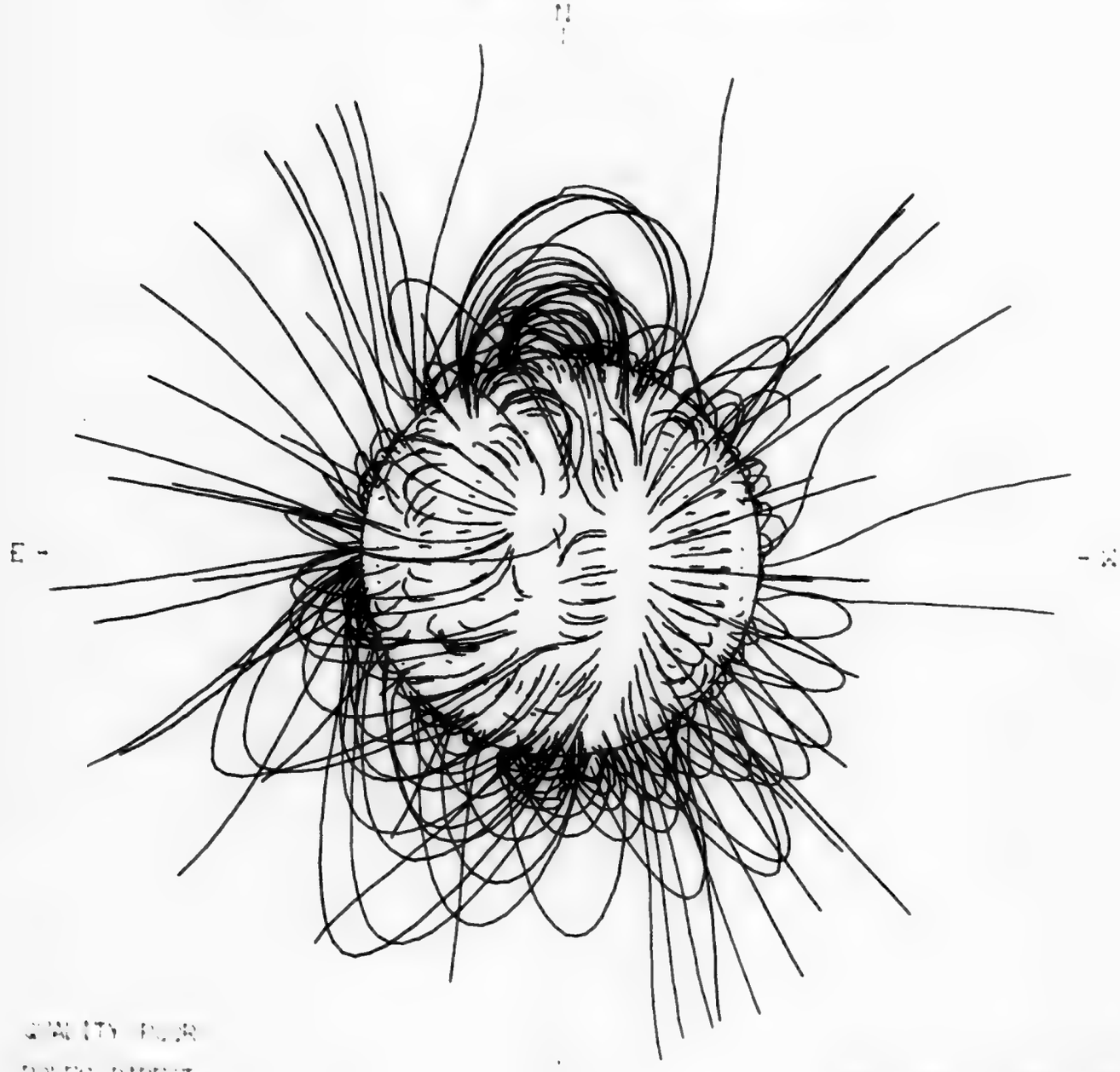
POLES DIRECT

DATA WINDOW 1445.47

ROT. 1445 LONG. 270°

14.3 LAT 26°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



EQUALITY FLUX

POLES DIRECT

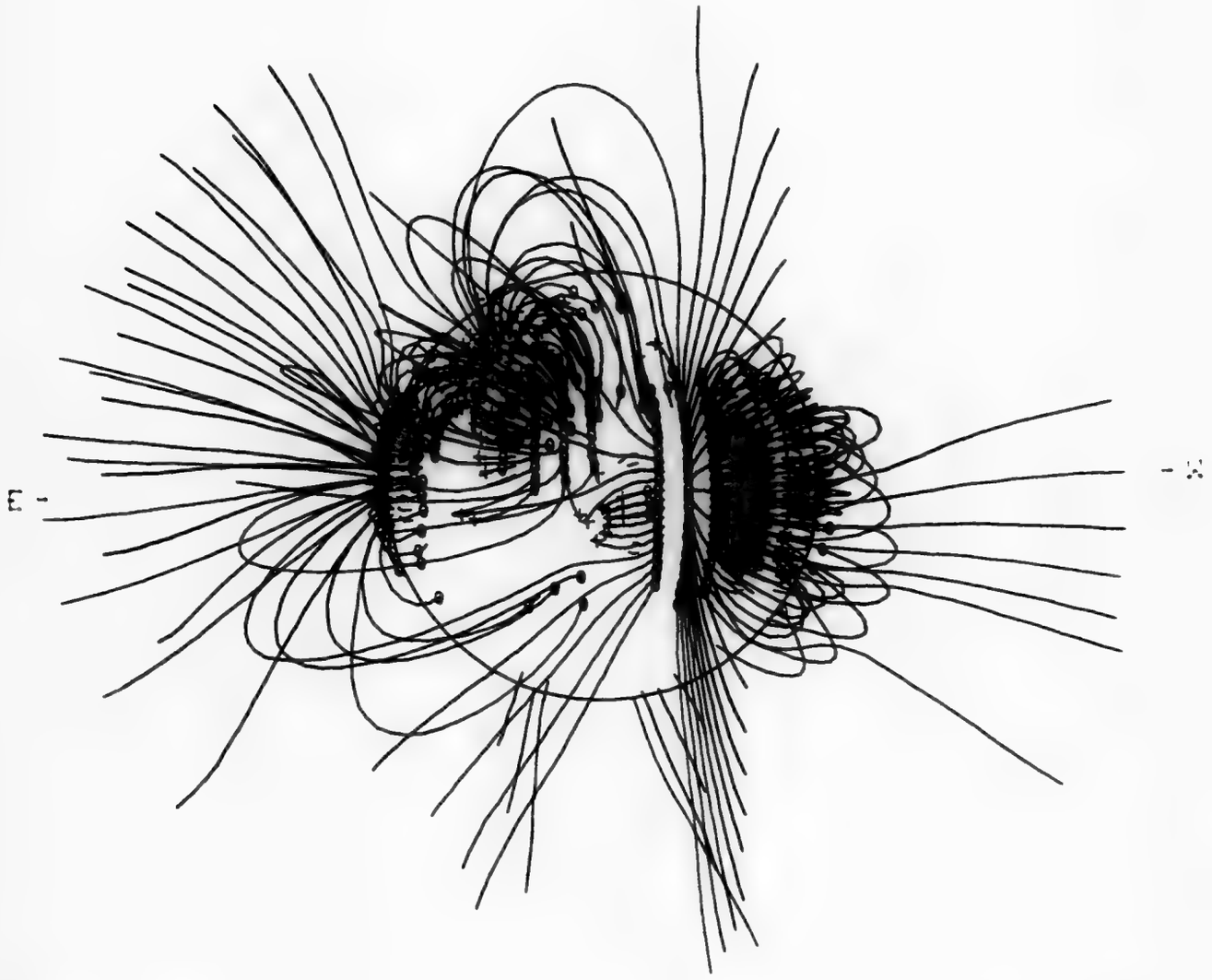
DATA WINDOW 1.000.00

ROT. 1000 LONG. 000°

15.° LAT 0°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



QUALITY POOR

POLES DIRECT

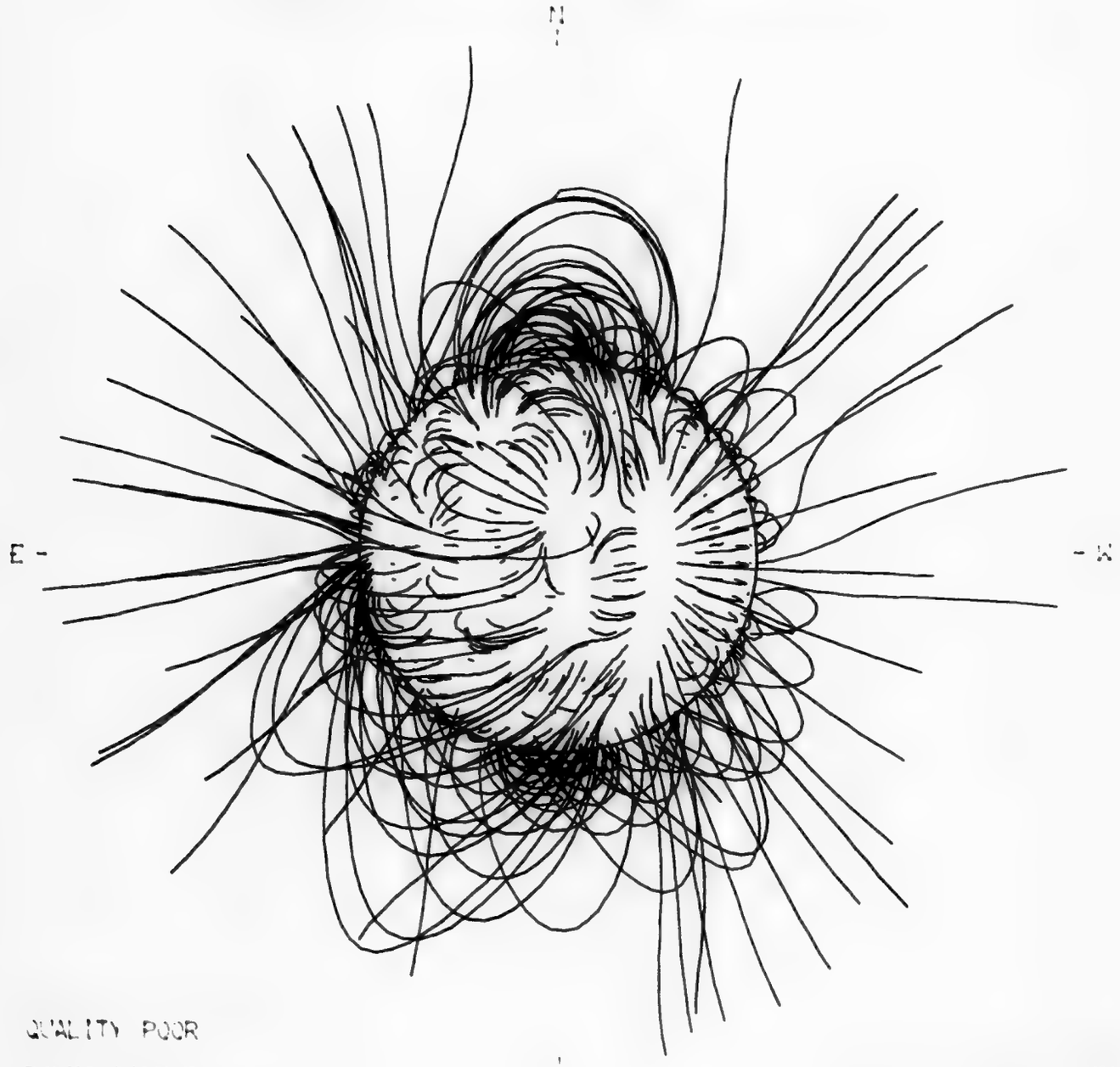
DATA WINDOW 1446.00

S

ROT. 1446 [illegible]°

15.1 [illegible]°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

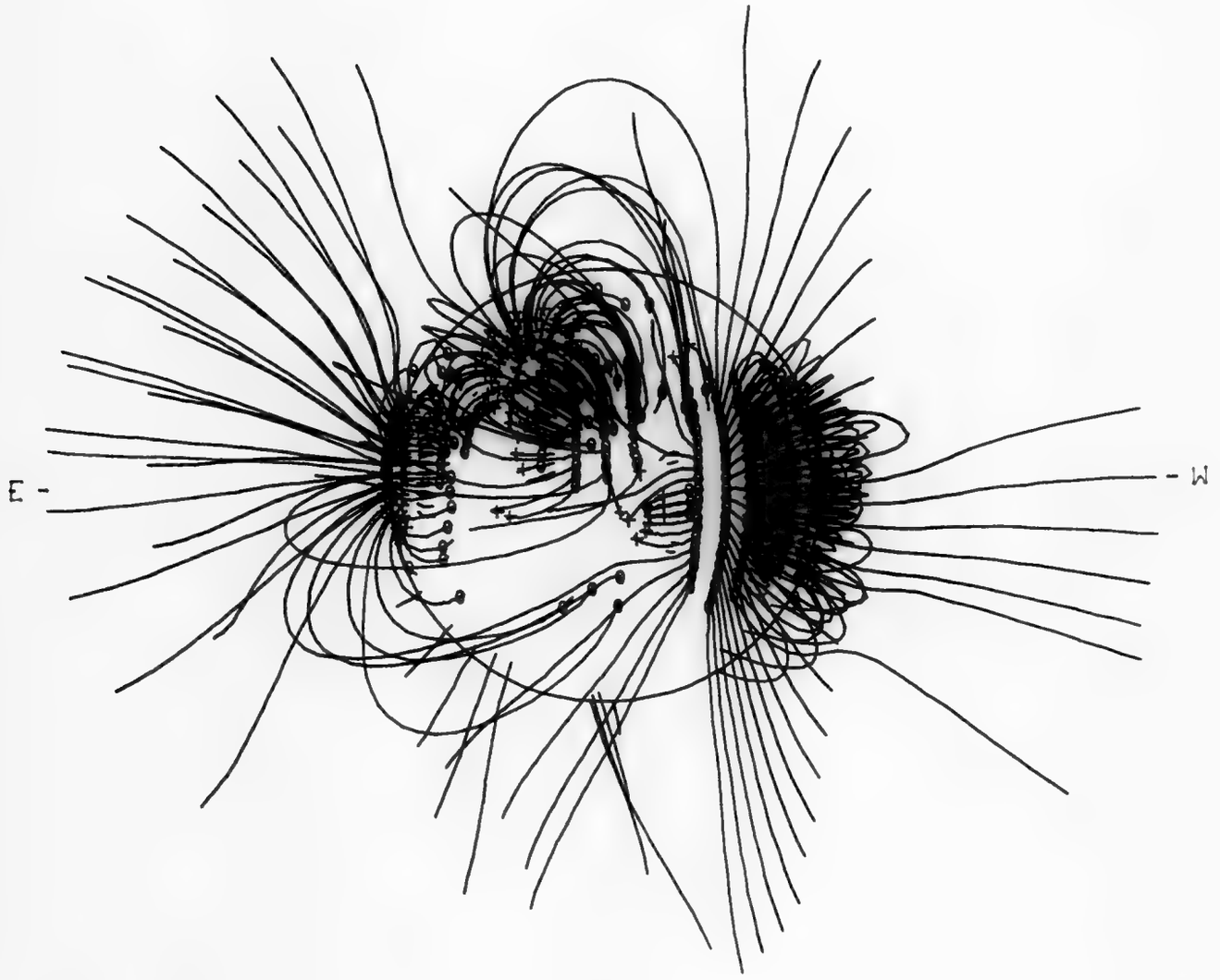
DATA WINDOW 1446.00

ROT. 1446 LONG. 250°

15.9 OCT 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



QUALITY POOR

POLES DIRECT

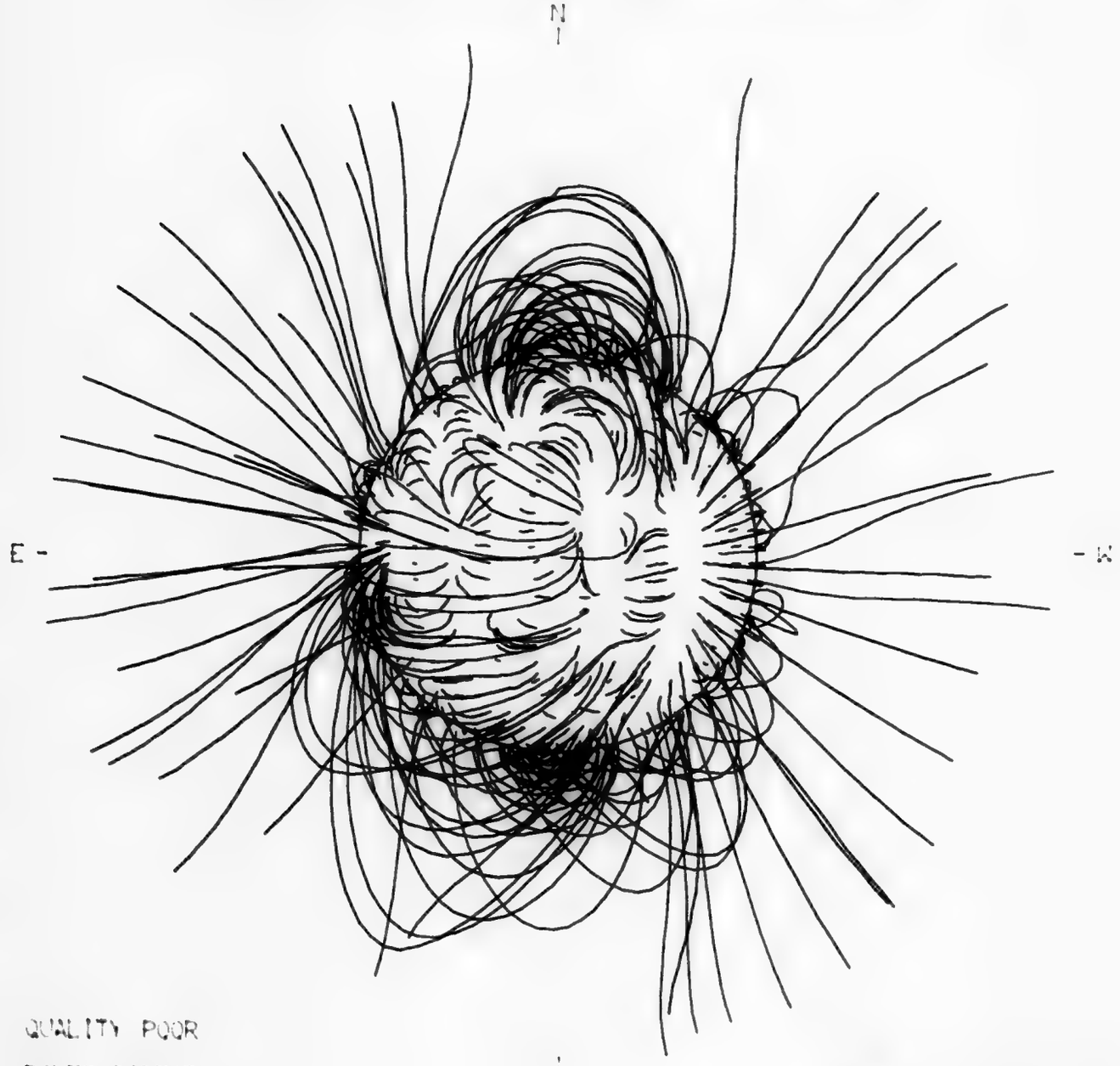
DATA WINDOW 1446.00

S

ROT. 1446 LONG. 250°

15.9 OCT 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

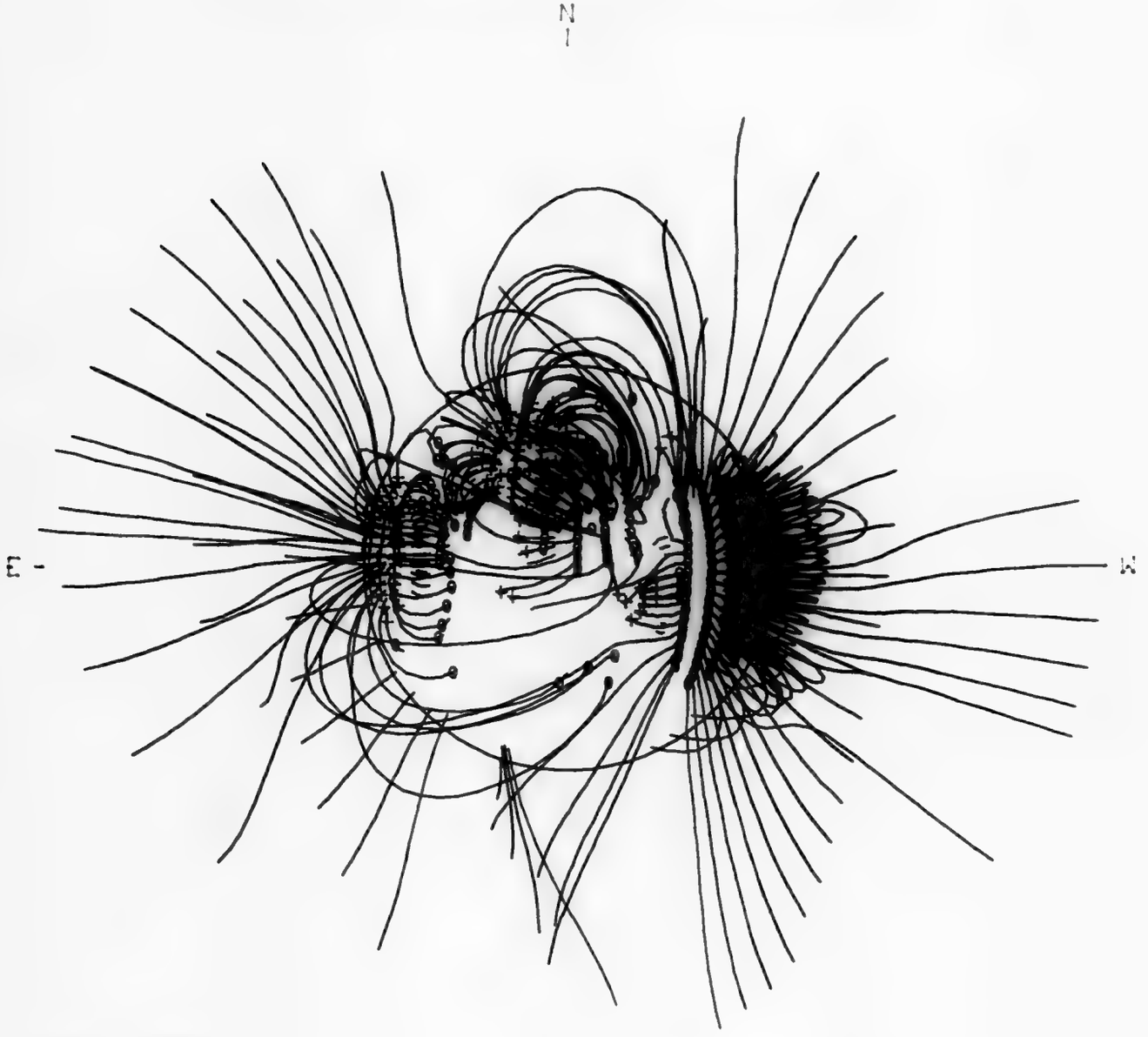
POLES DIRECT

DATA WINDOW 1446.00

ROT. 1446 2013. 241°

16.6 OCT 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

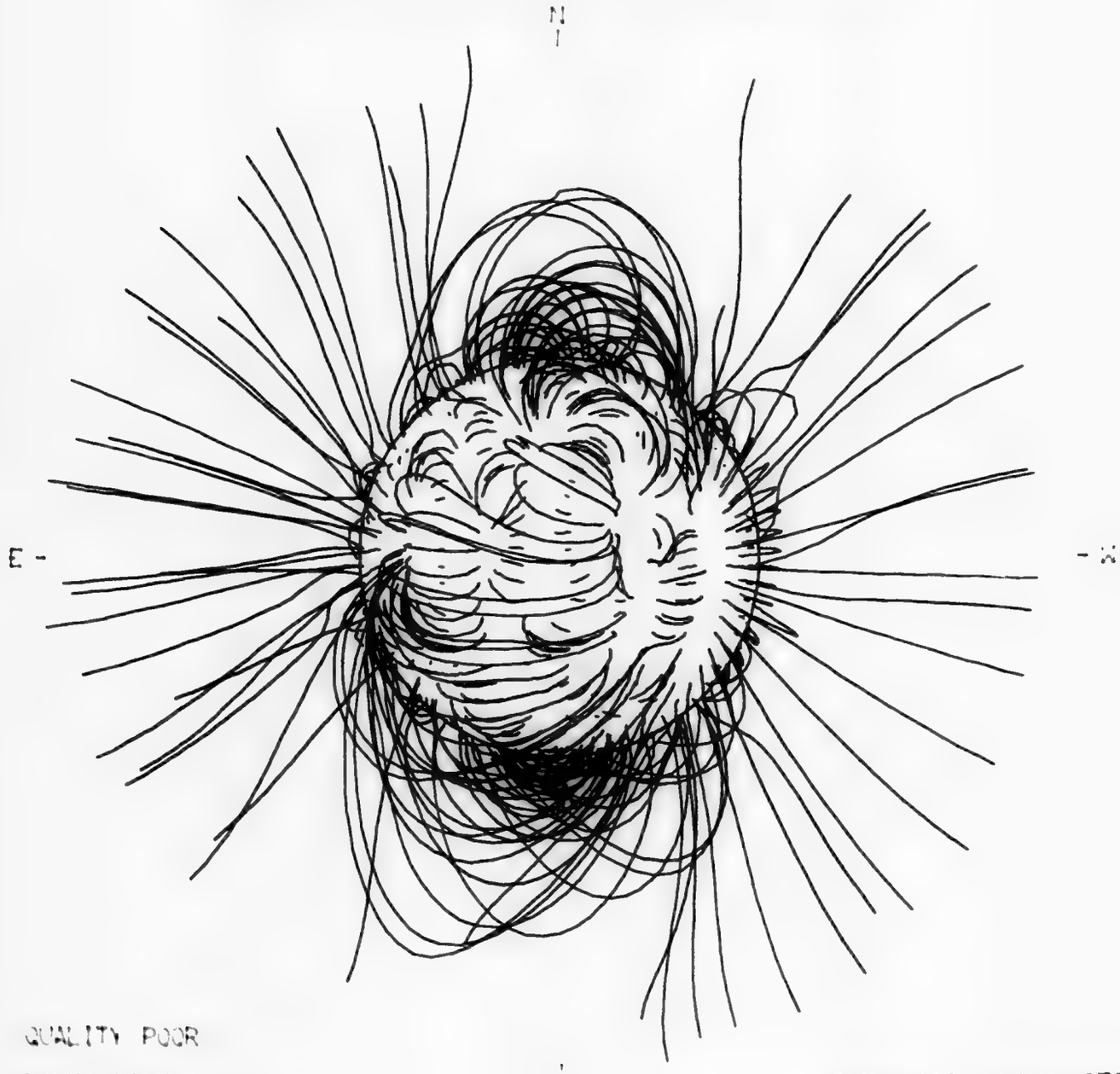
POLES DIRECT

DATA WINDOW 1446.00

ROT. 1446 [illegible]

16.6 [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

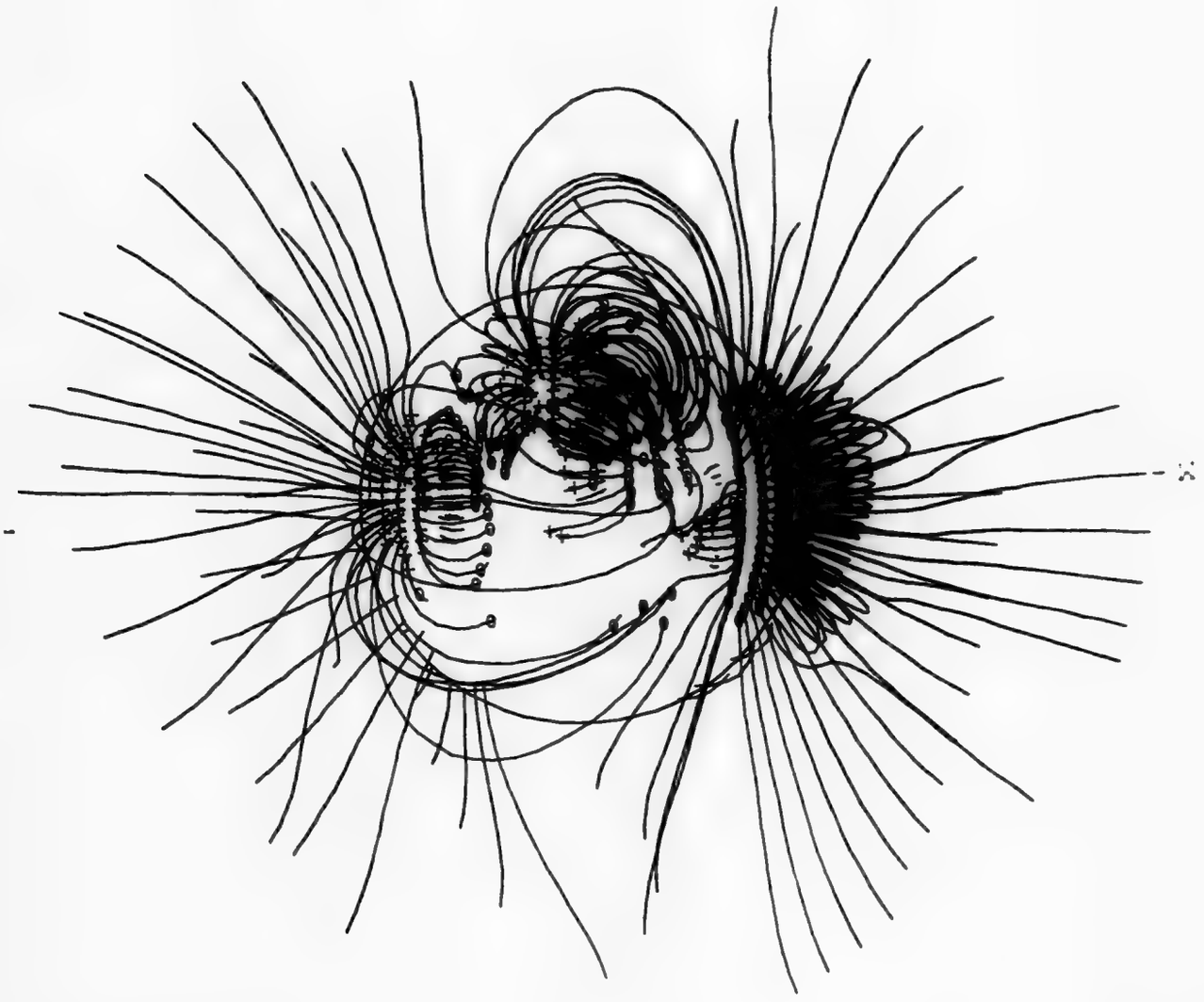
DATA WINDOW 1446.00

ROT. 1445 [illegible]

17.4 OCT [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



S

QUALITY POOR

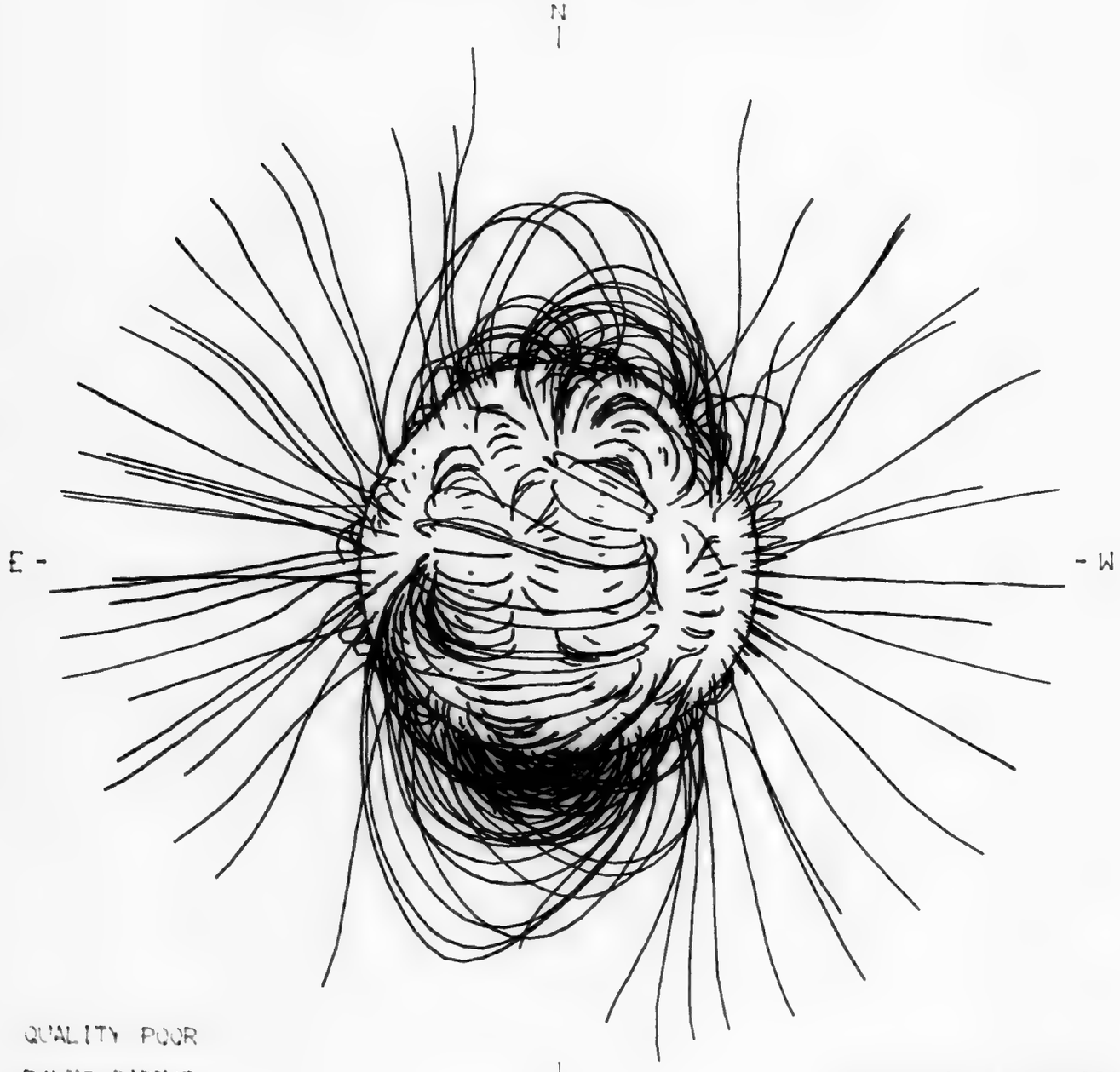
POLES DIRECT

DATA WINDOW 1446.00

ROT. 1446 LONG. 230°

17.4 EST 165°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1446.00

ROT. 1446 LONG. 220°

18.1 OCT 1961

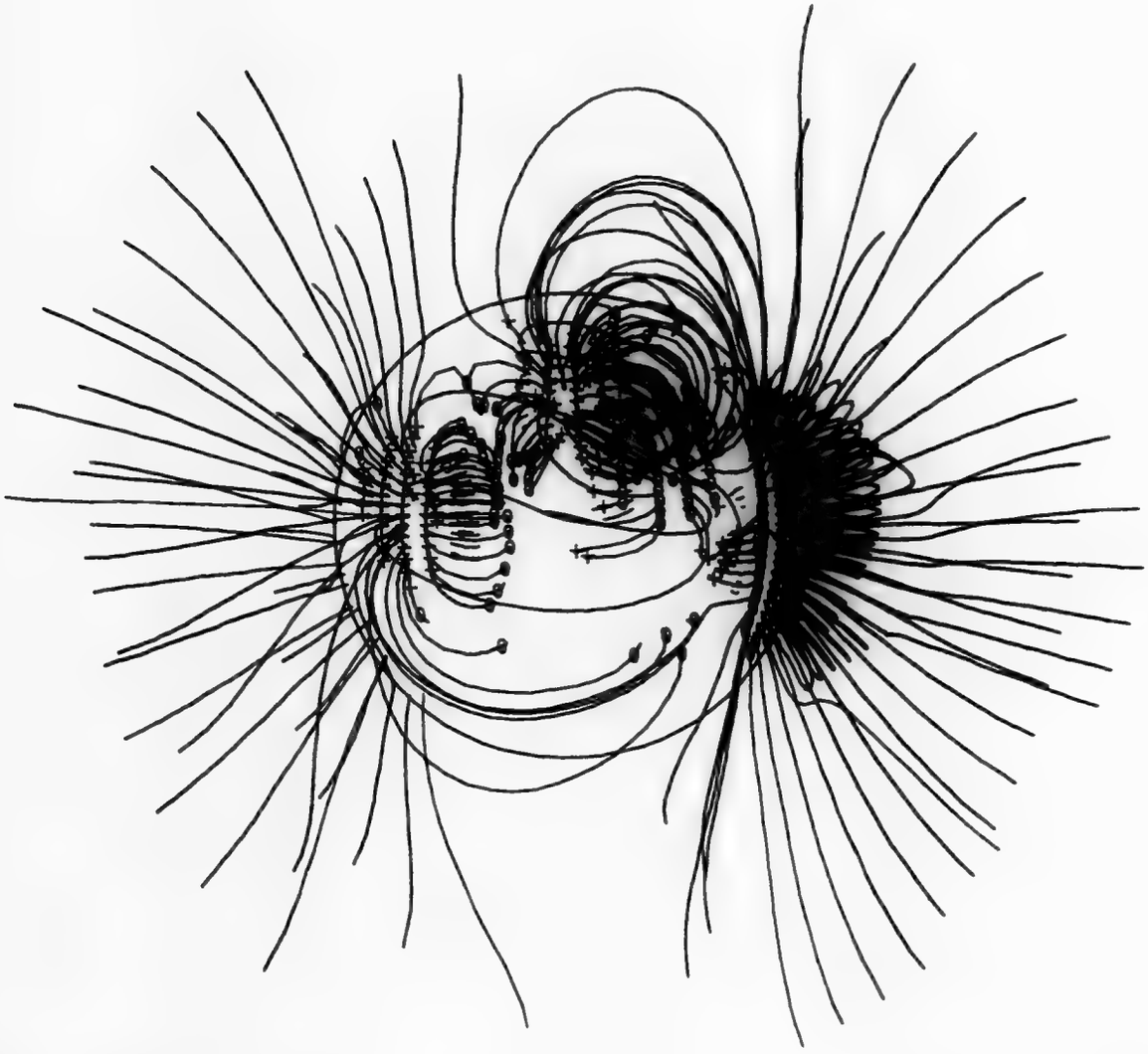
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

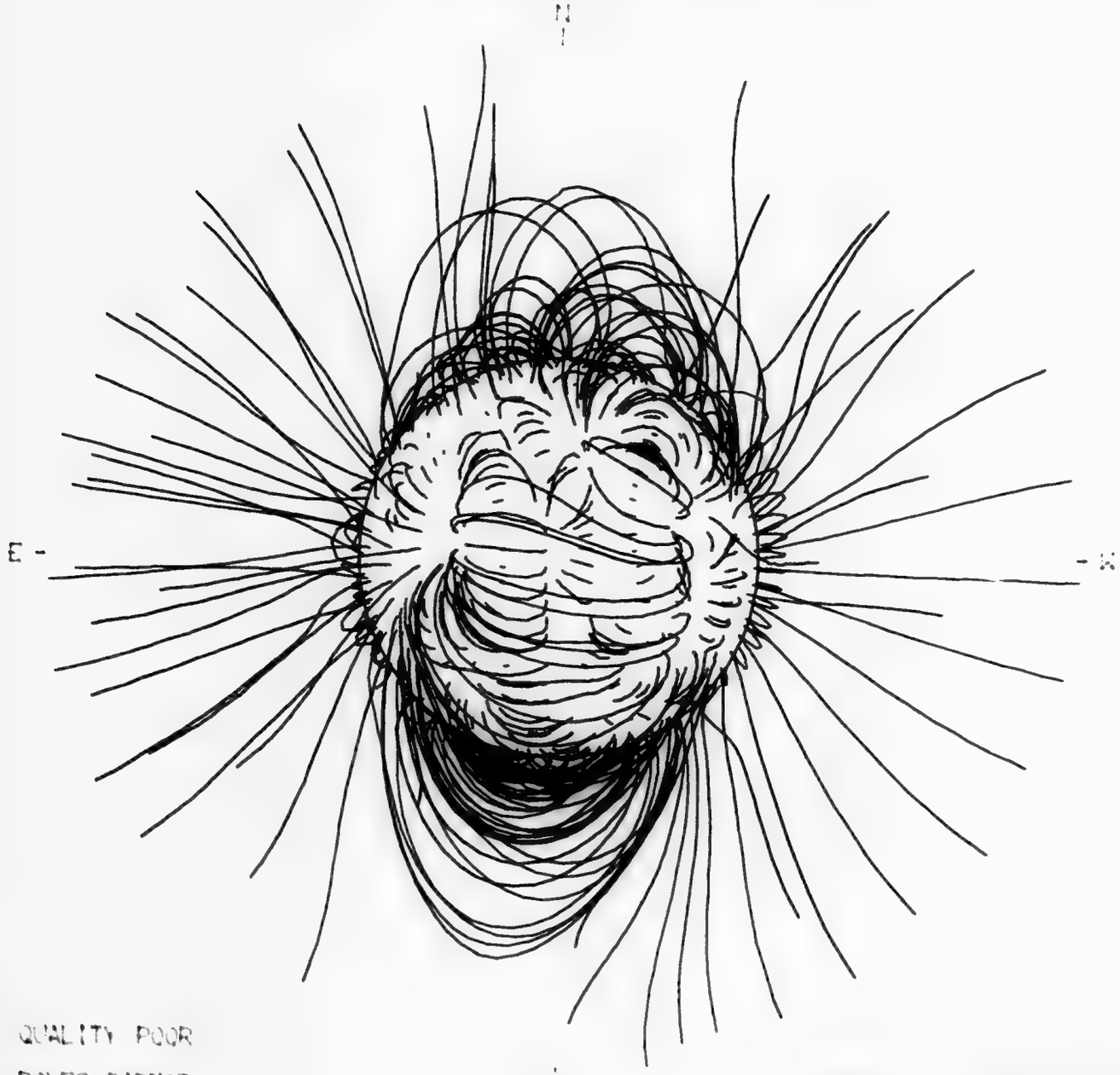
POLES DIRECT

DATA WINDOW 1.46.00

ROT. 1446 LONG. 221°

18.1 OCT 1.65°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1446.00

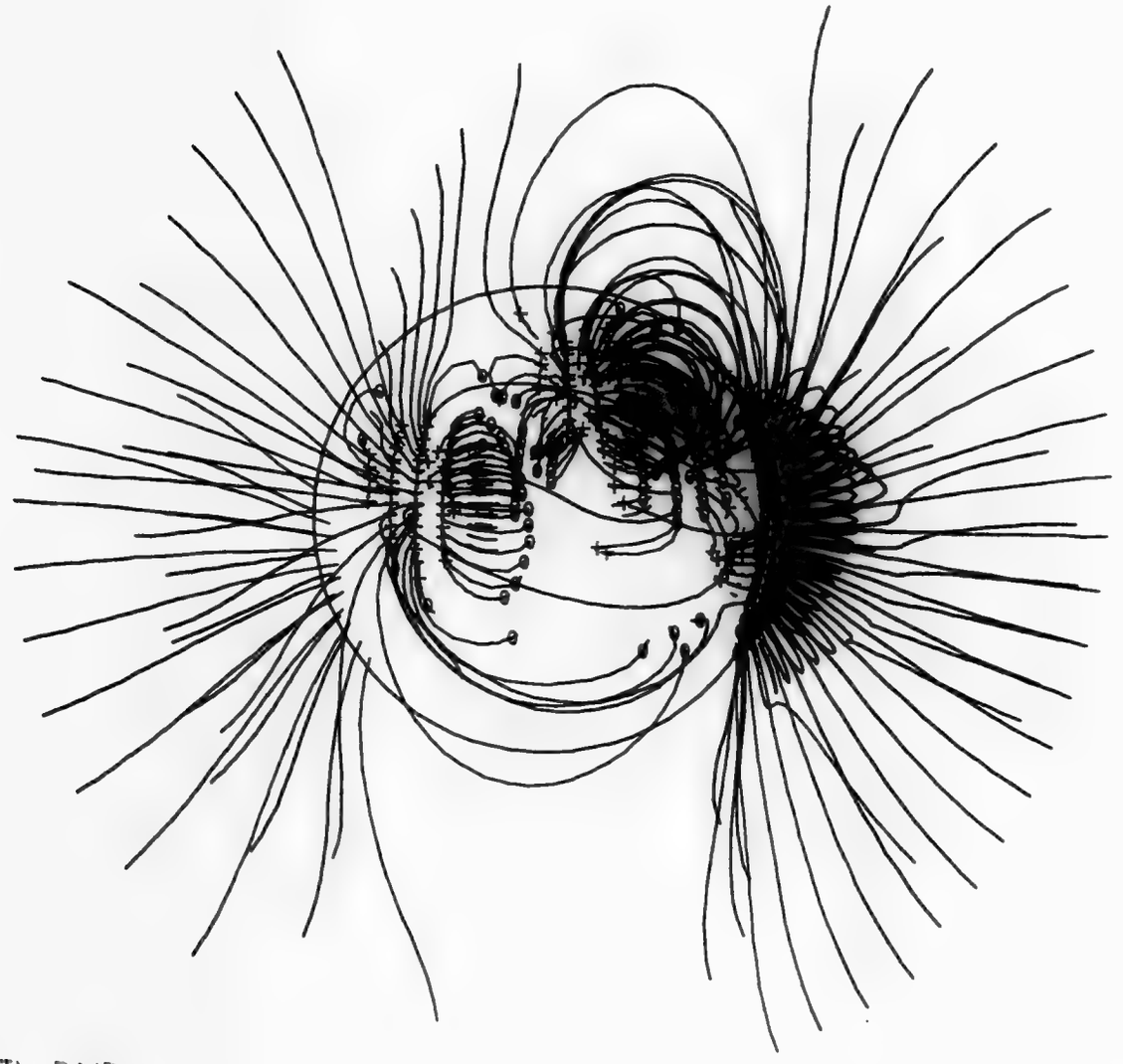
ROT. 1446 LONG. 2[illegible]°

18.[illegible] LAT 4.[illegible]°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

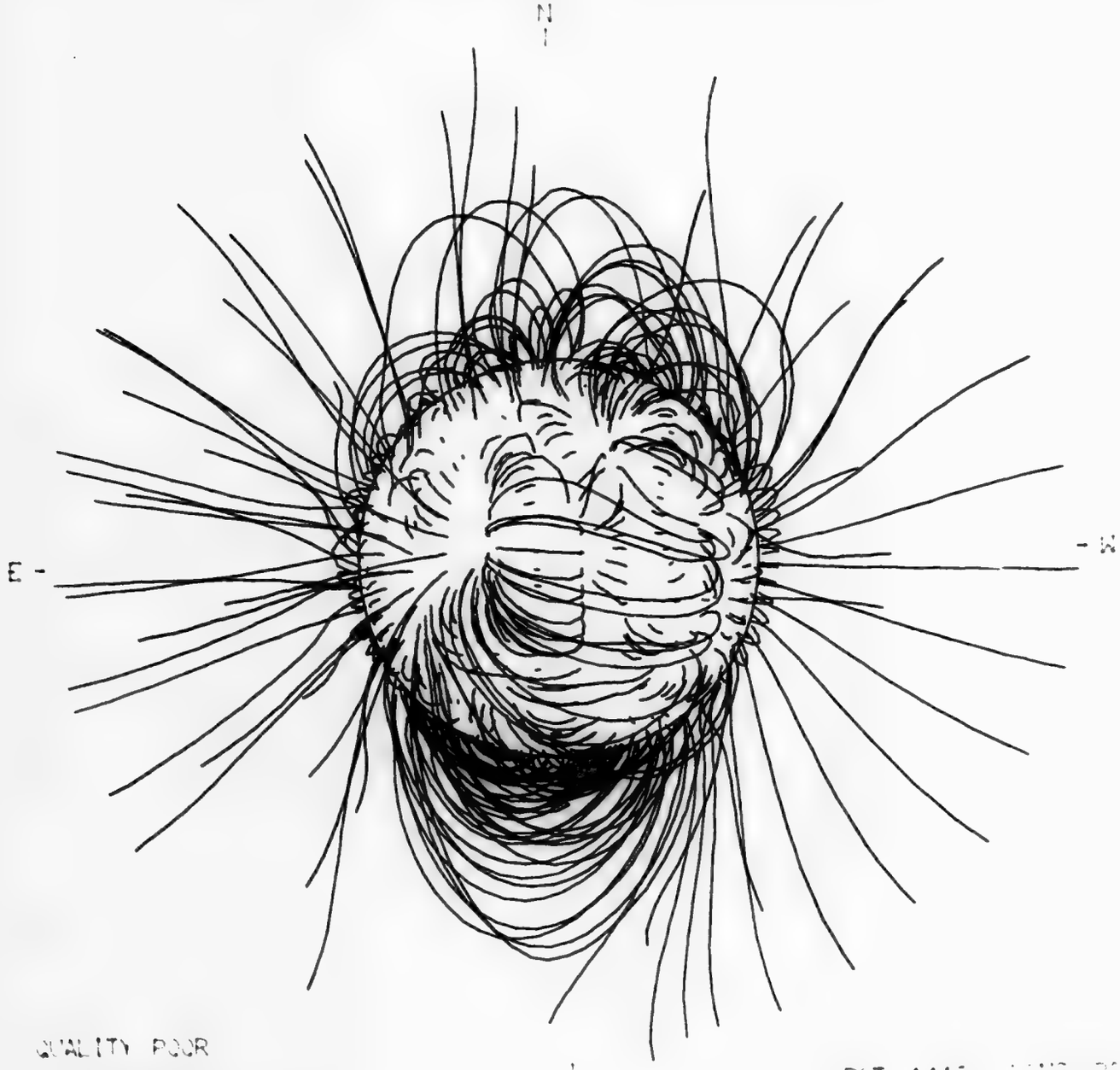
POLES DIRECT

DATA WINDOW 1446.00

ROT. 1446 LONG. 2[illegible]°

18.9 OCT 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

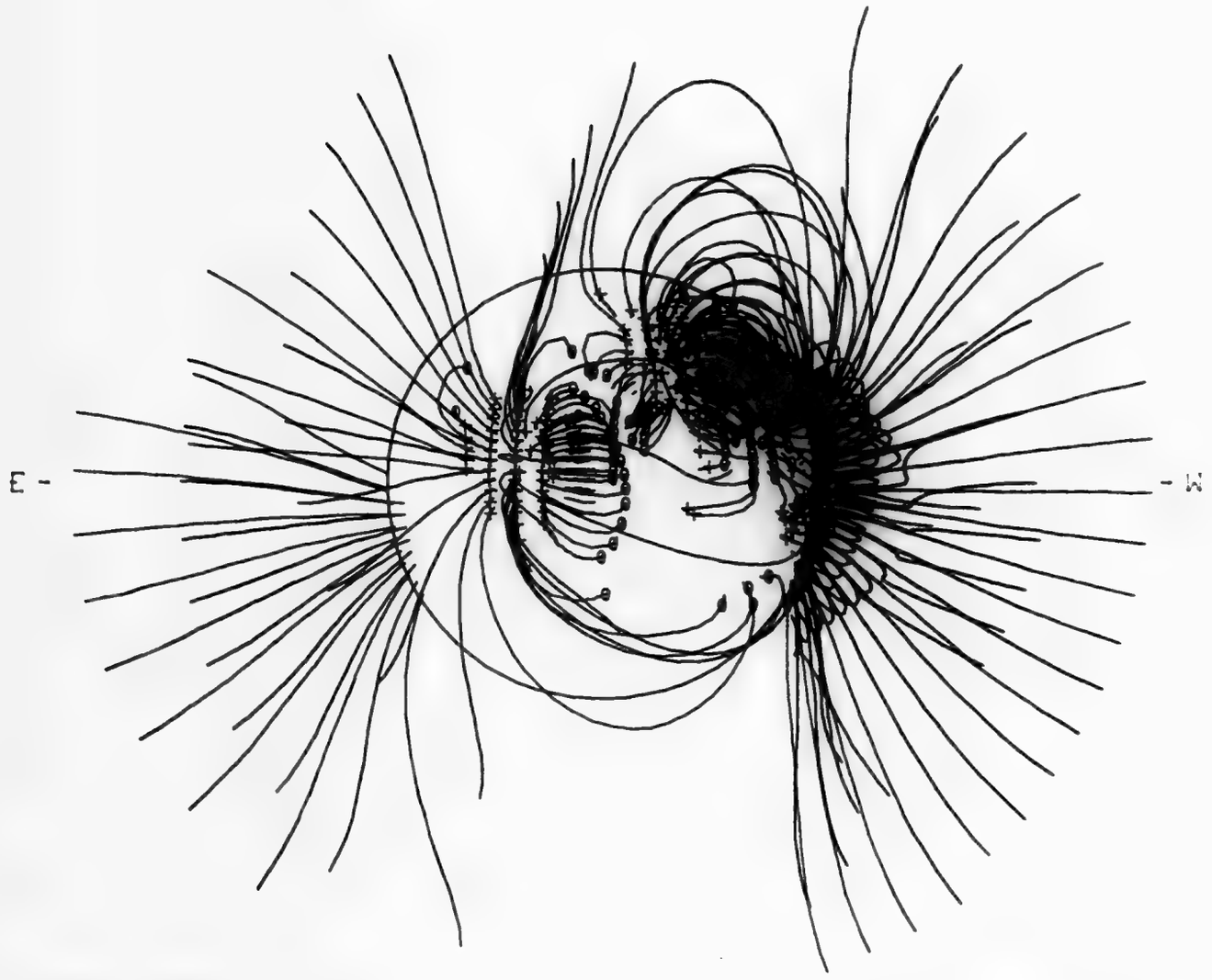
POLES DIRECT

DATA WINDOW 1446.00

ROT. 1446 [illegible]

[illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

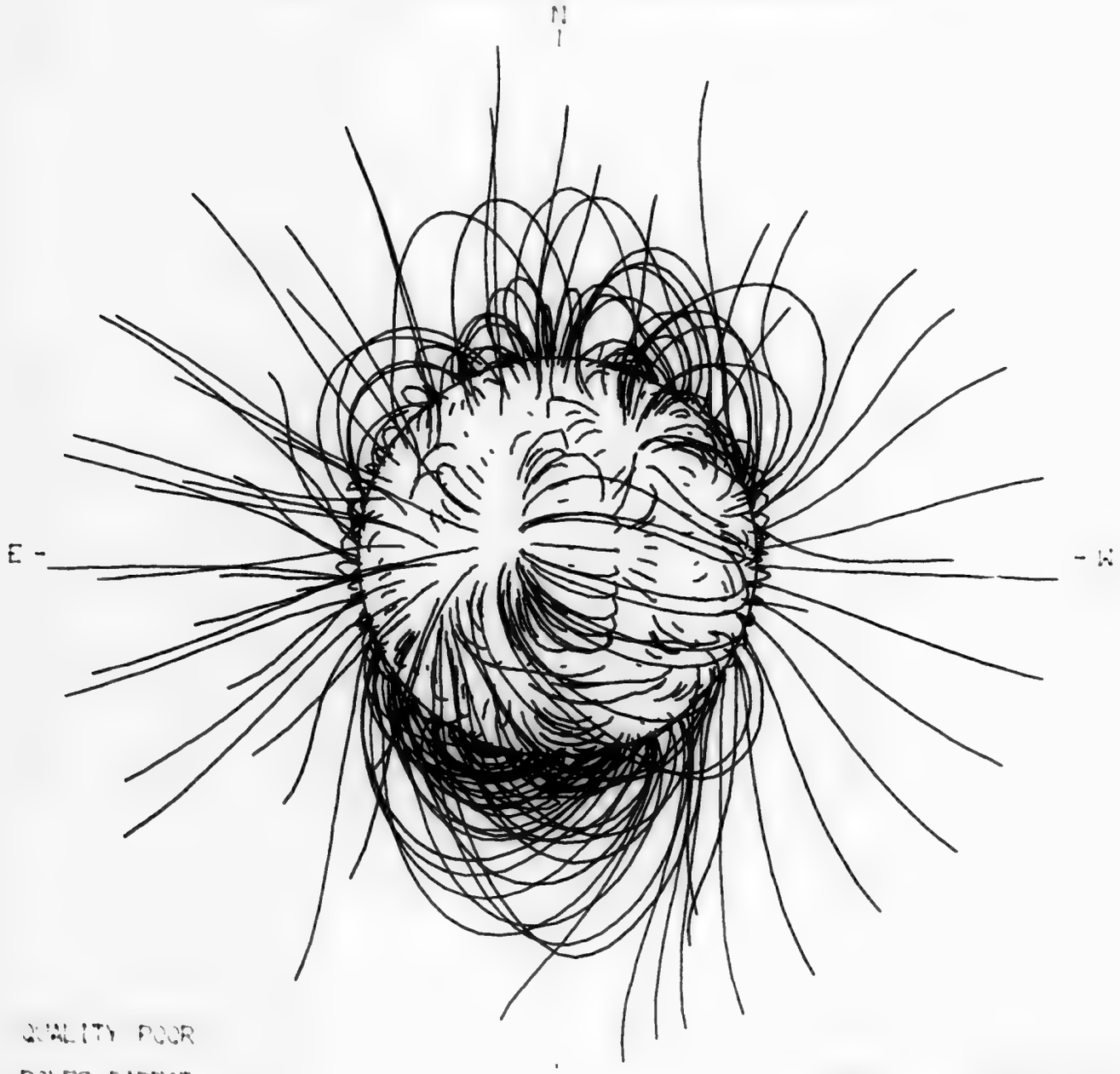
POLES DIRECT

DATA WINDOW 1446.00

ROT. 1445 LONG. 210°

19.7 OCT 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1446.00

ROT. 1446 LONG. 140°

20.4 LAT 165°

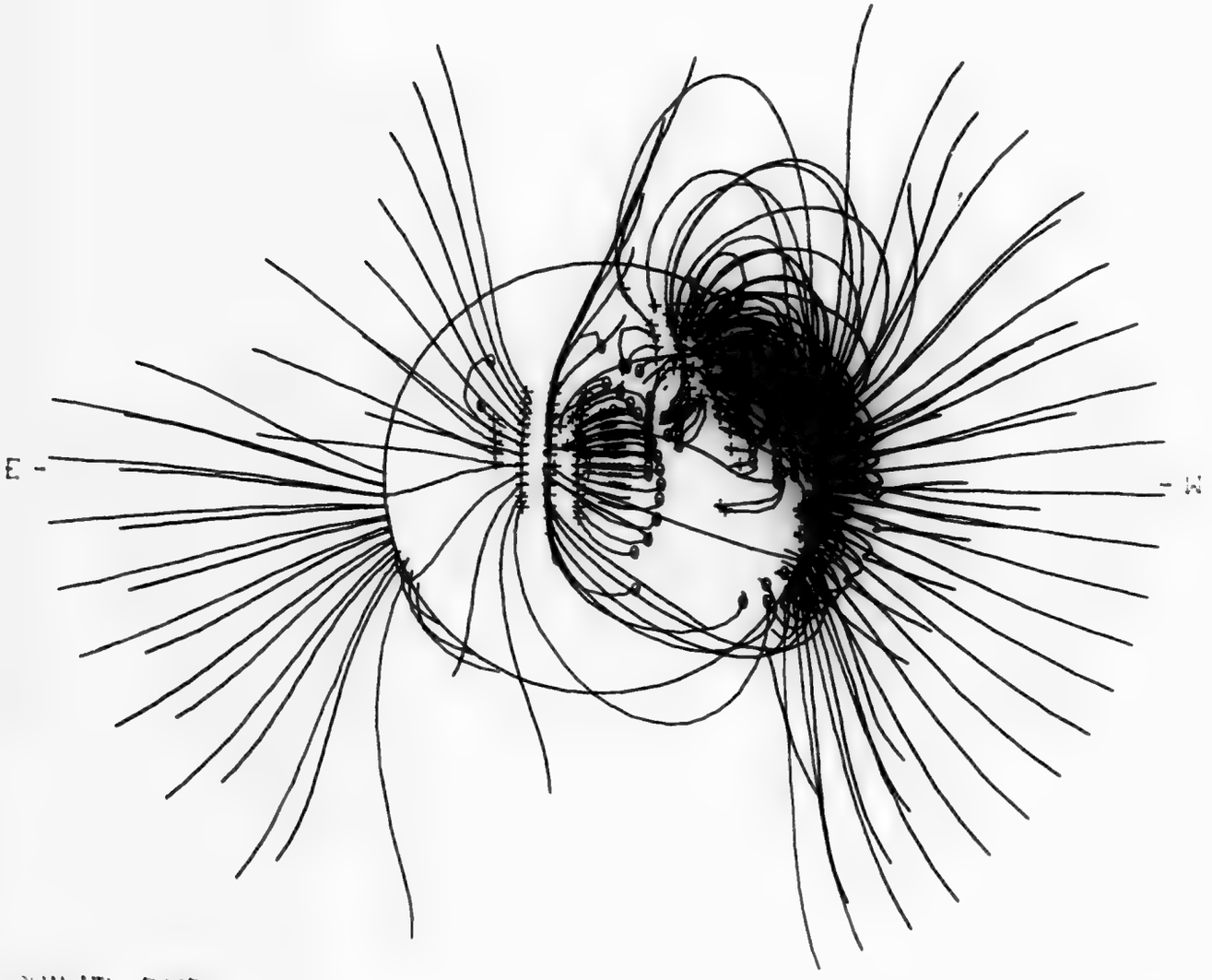
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E

W

S



QUALITY POOR

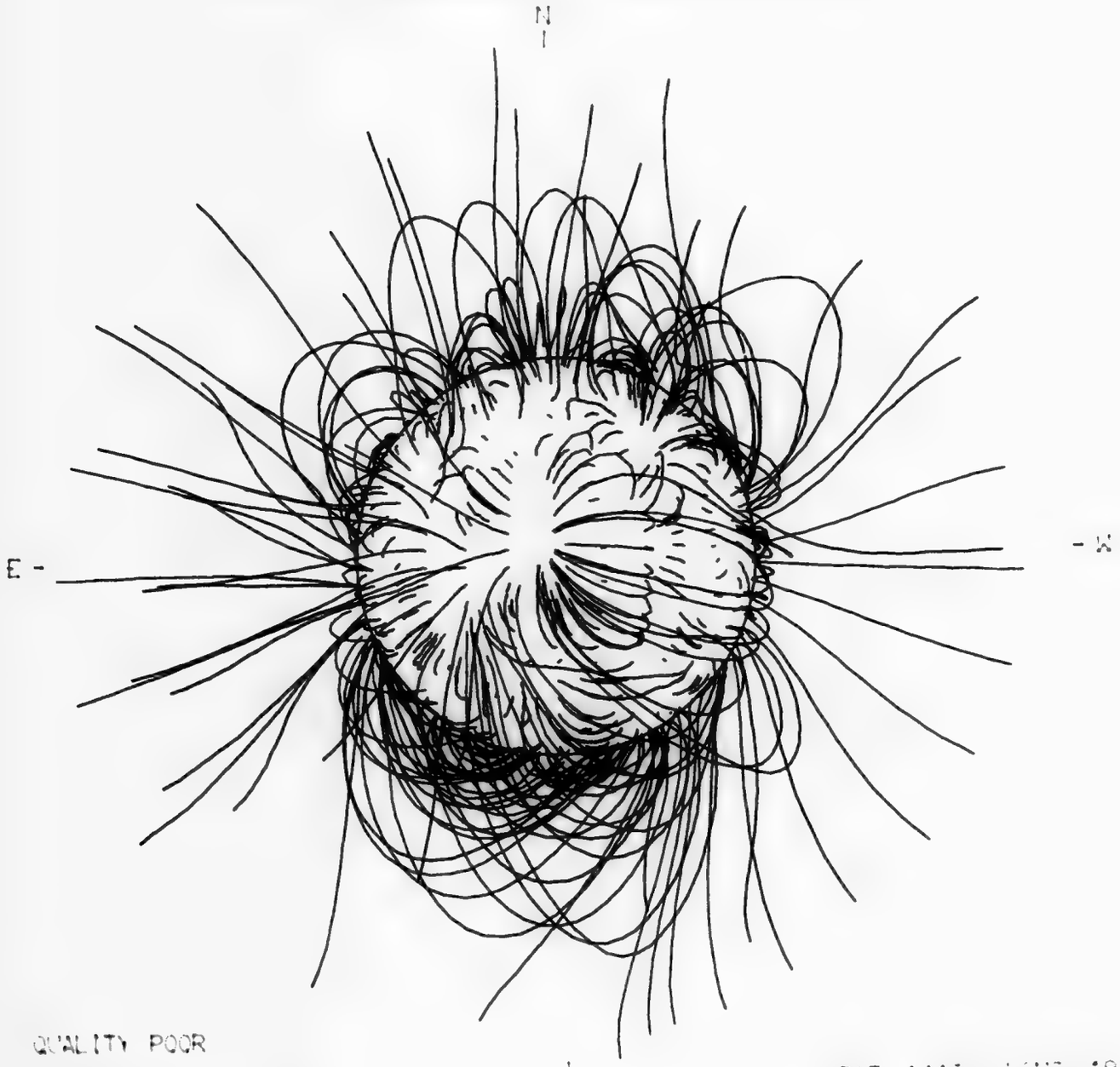
POLES DIRECT

DATA WINDOW 1.00

ROT. 1485 LONG. 1.0°

20.4 LAT 1.0°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

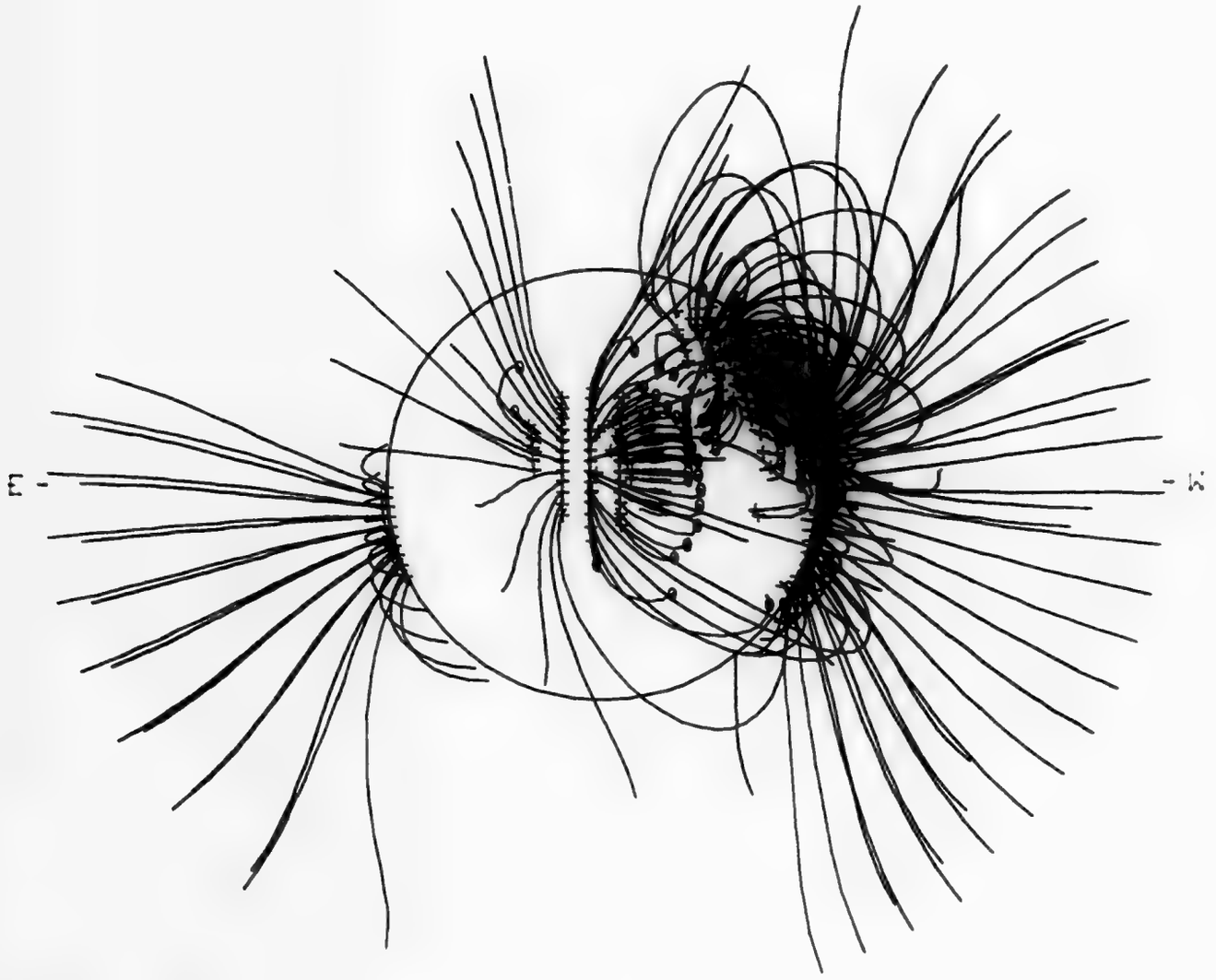
POLES DIRECT

DATA WINDOW 1446.00

ROT. 1446 LONG. 180°

21.2 OCT 96°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

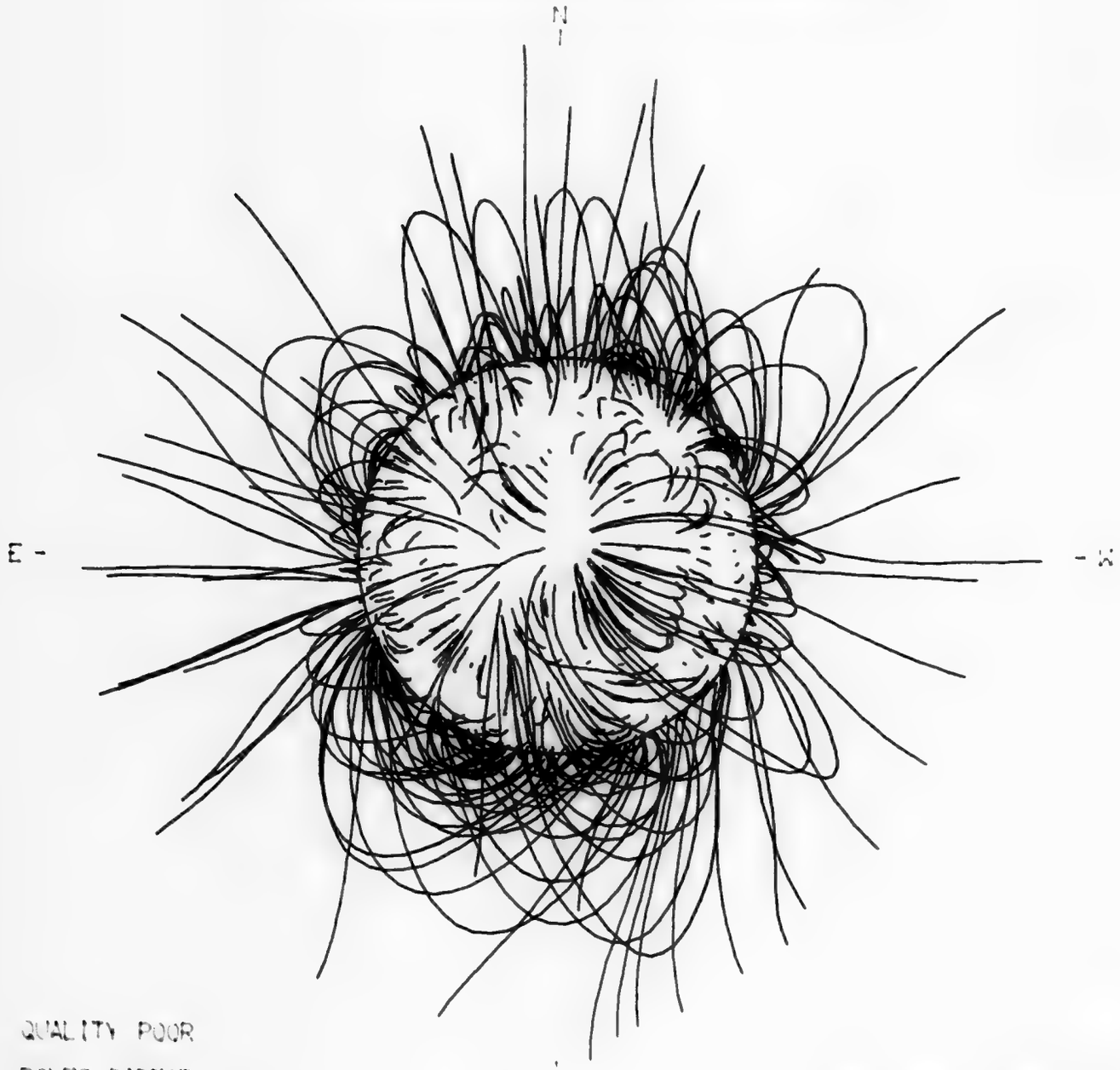
POLES DIRECT

DATA WINDOW 1446.00

ROT. 1446 LONG. 180°

21.2 LAT. 7.25°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

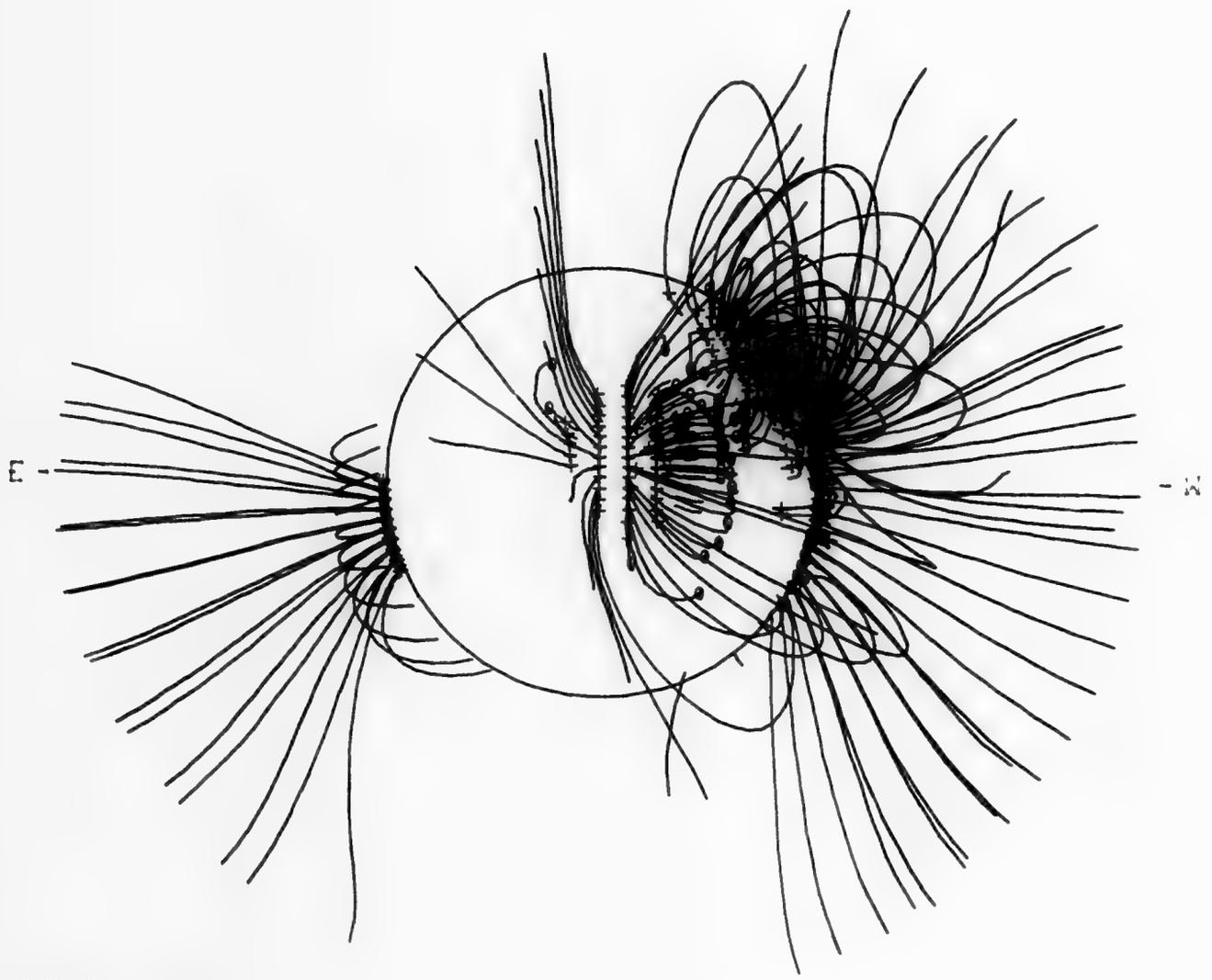
POLES DIRECT

DATA WINDOW 1446.00

ROT. 1445 LONG. 170°

21.9 EST 165°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

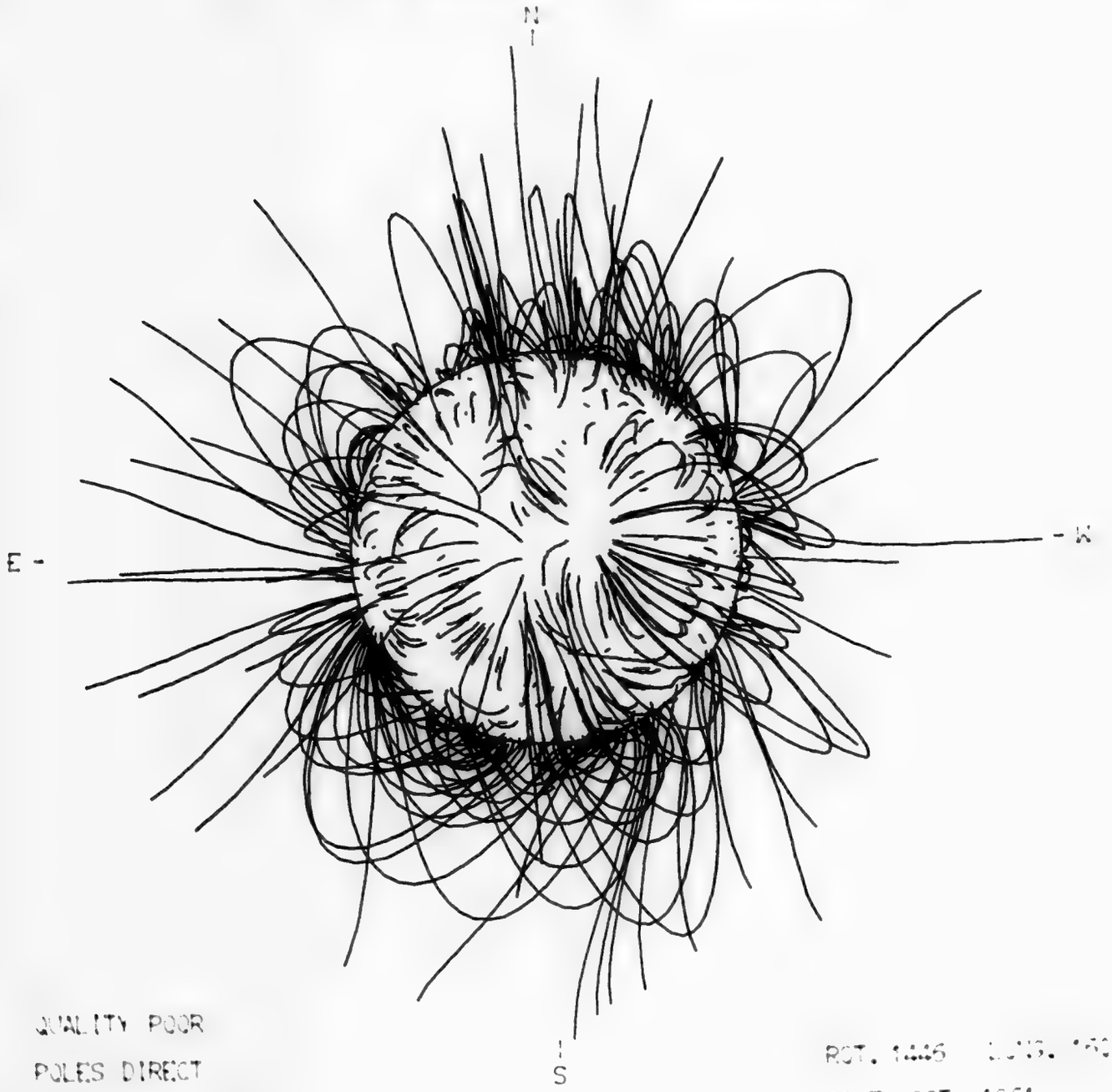
POLES DIRECT

DATA WINDOW 1436.00

ROT. 1436 LONG. [illegible]°

21.9 UT [illegible]°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

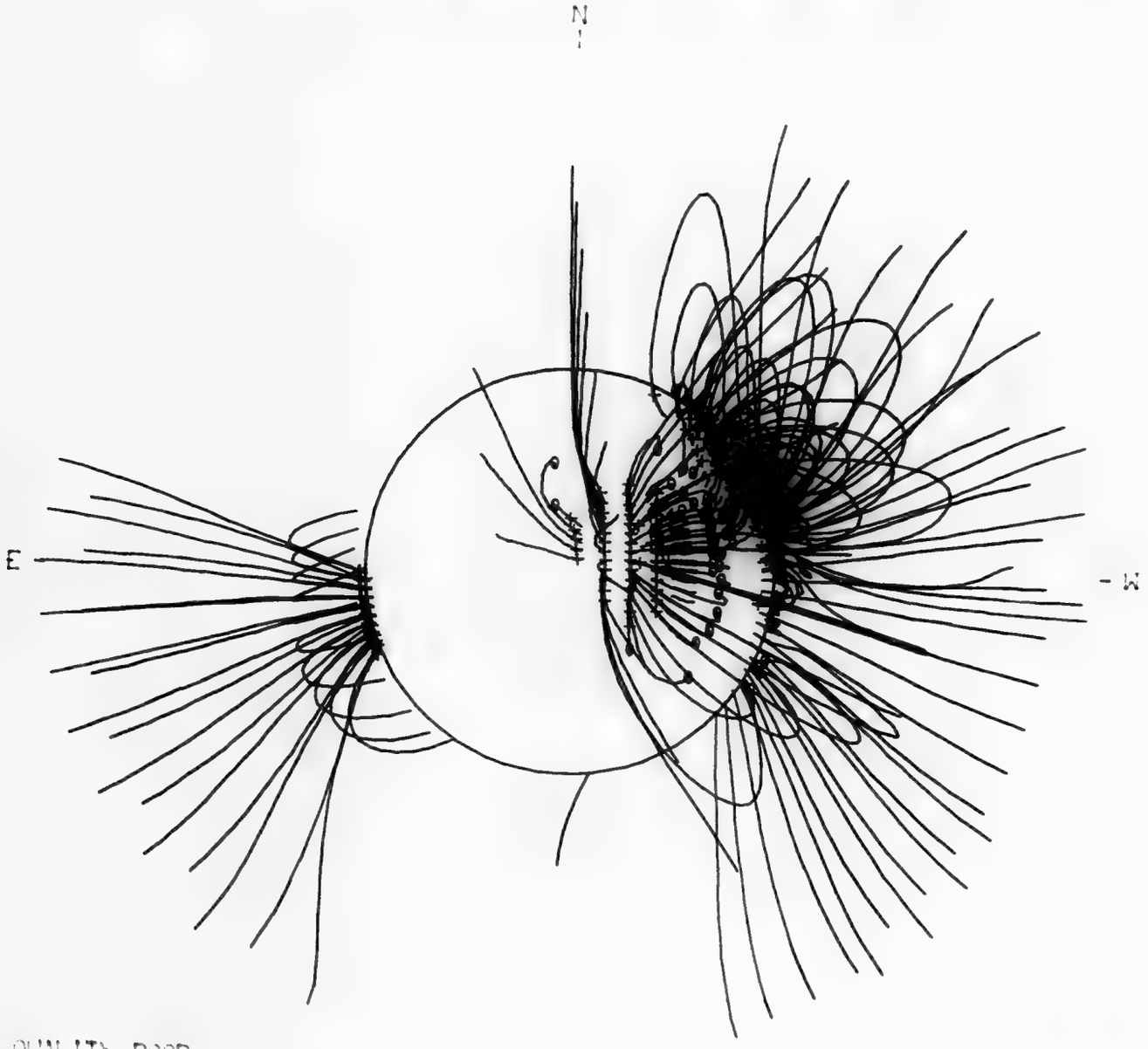
POLES DIRECT

DATA WINDOW 1.416.00

ROT. 1446 [illegible]

22.7 OCT 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

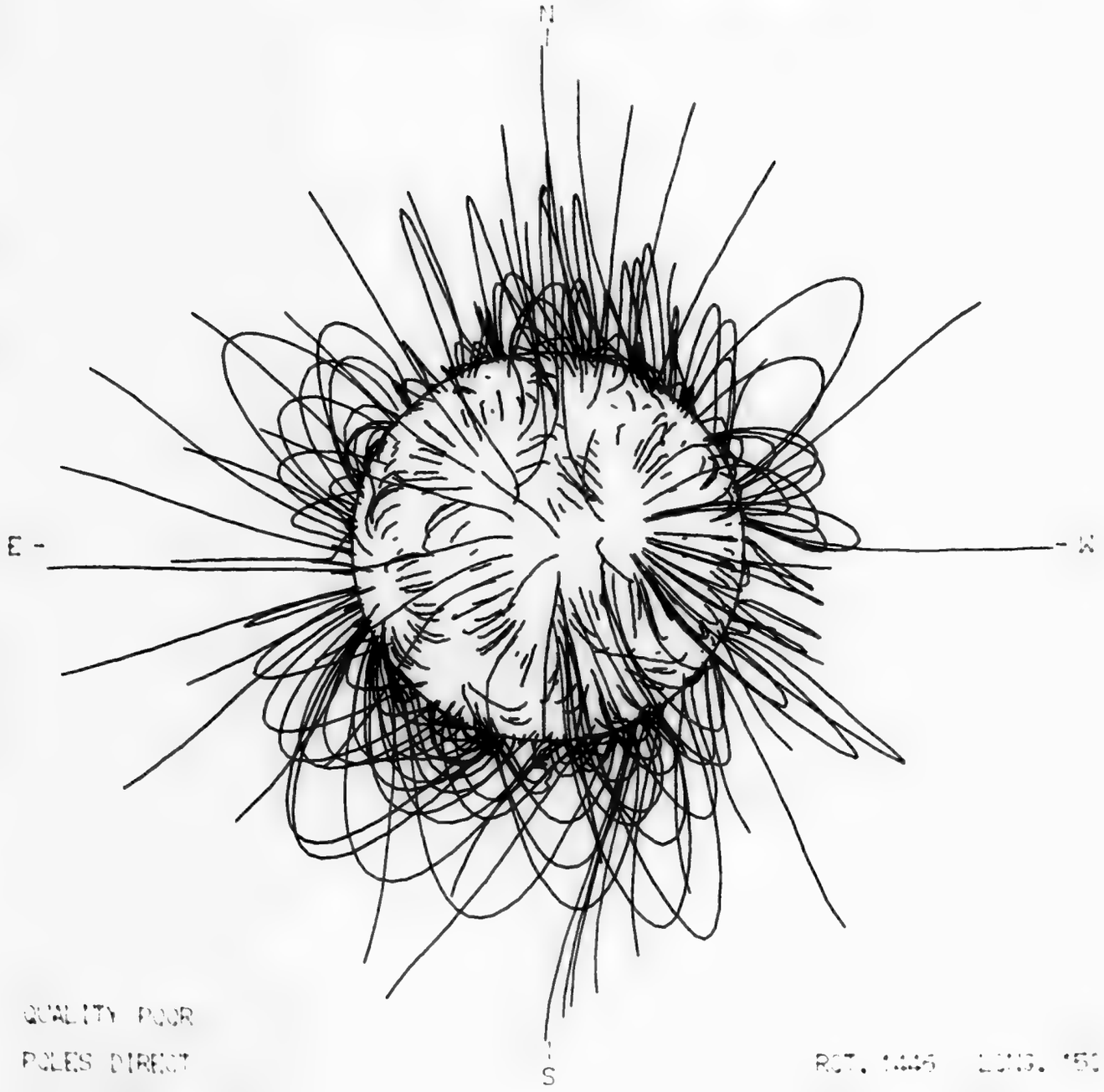
POLES DIRECT

DATA WINDOW 1446.00

CRT. 1445 LONG. 150°

22.7 OCT 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

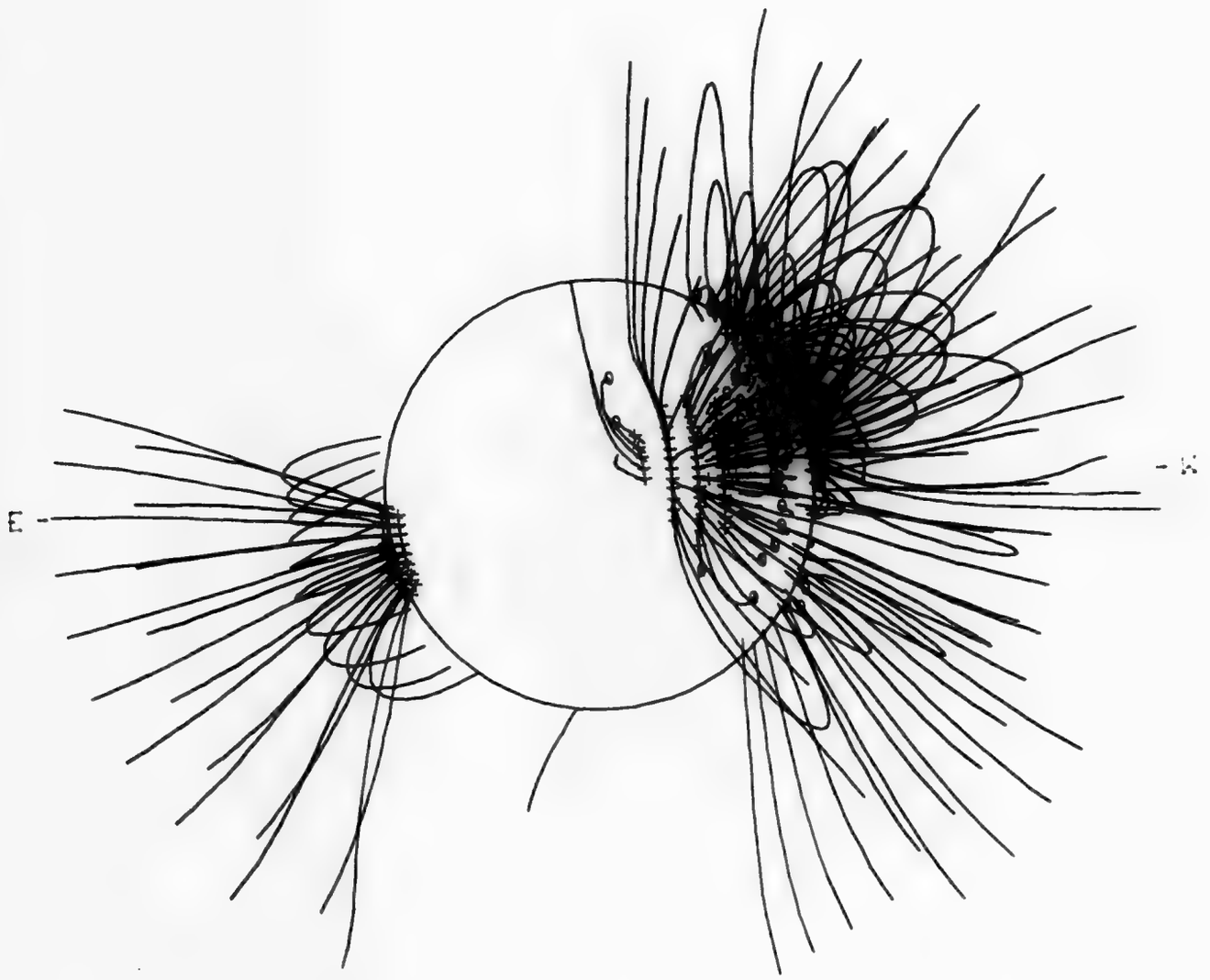
POLES DIRECT

DATA WINDOW 1446.00

ROT. 1446 LONG. 151°

23.4 LAT 1.6°

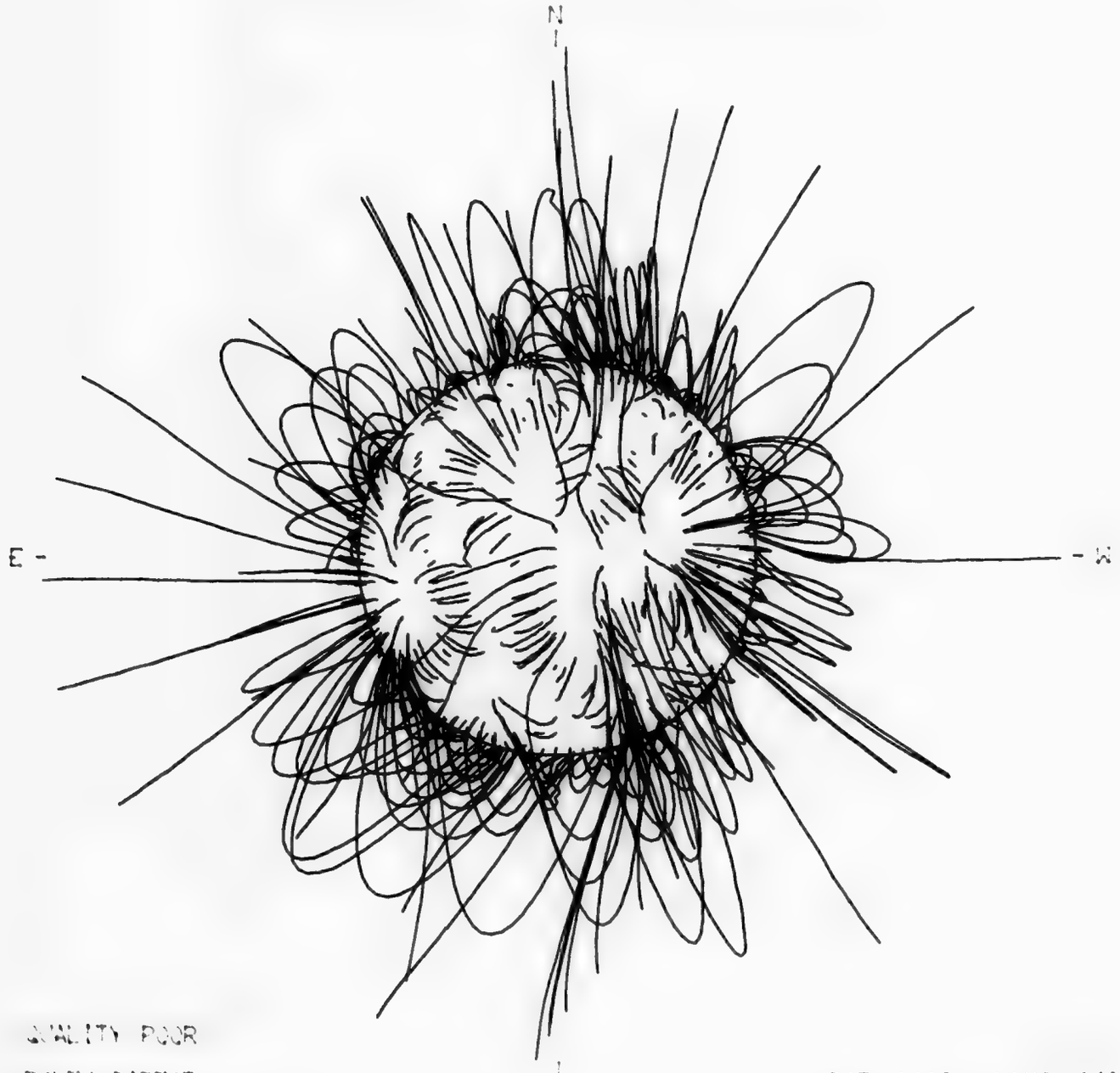
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1446.00

ROT. 1446 LONG. 150°
23.4 OCT 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

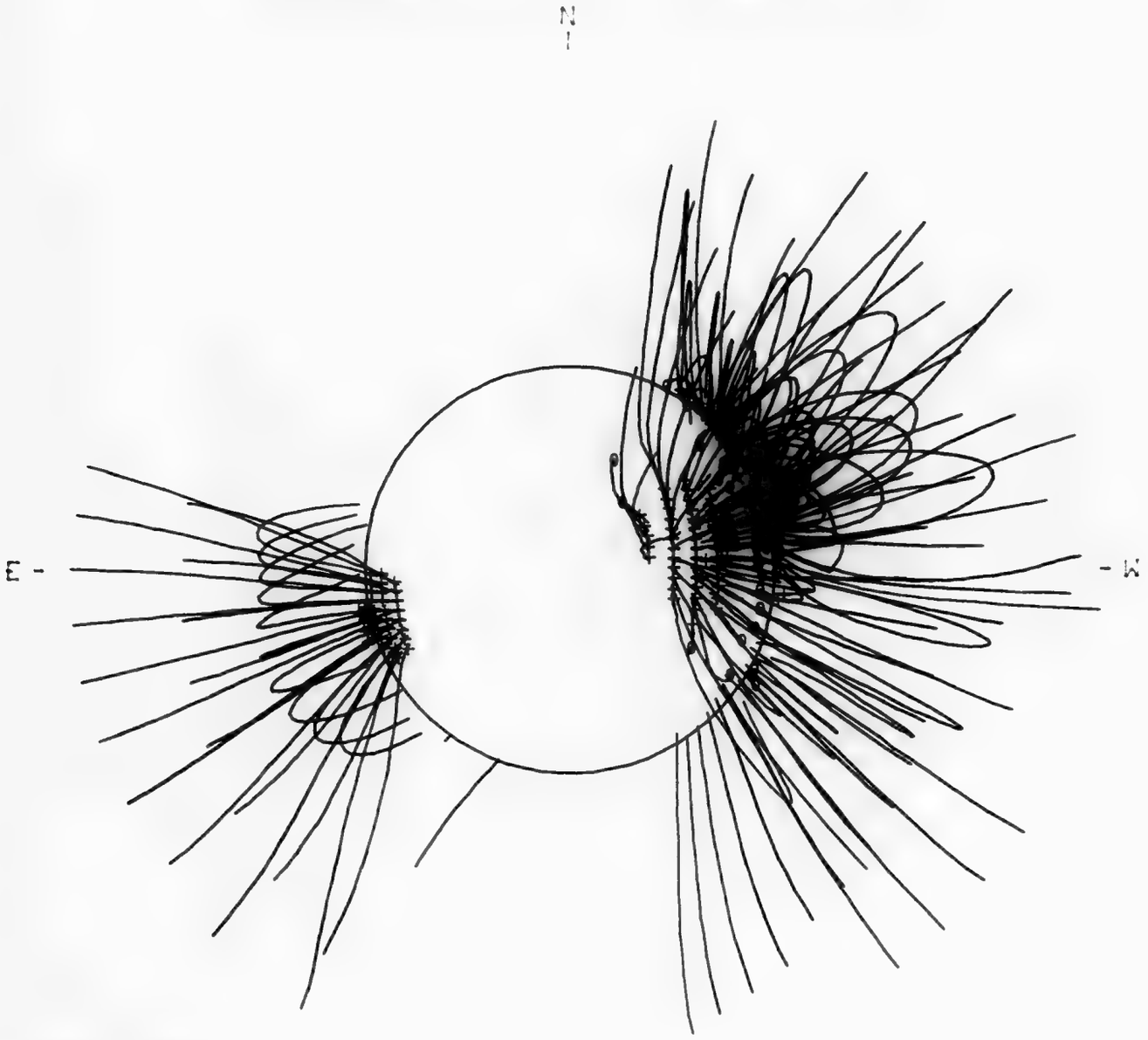
POLES DIRECT

DATA WINDOW 1446.00

ROT. 1446 LONG. 180°

24.2 OCT 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

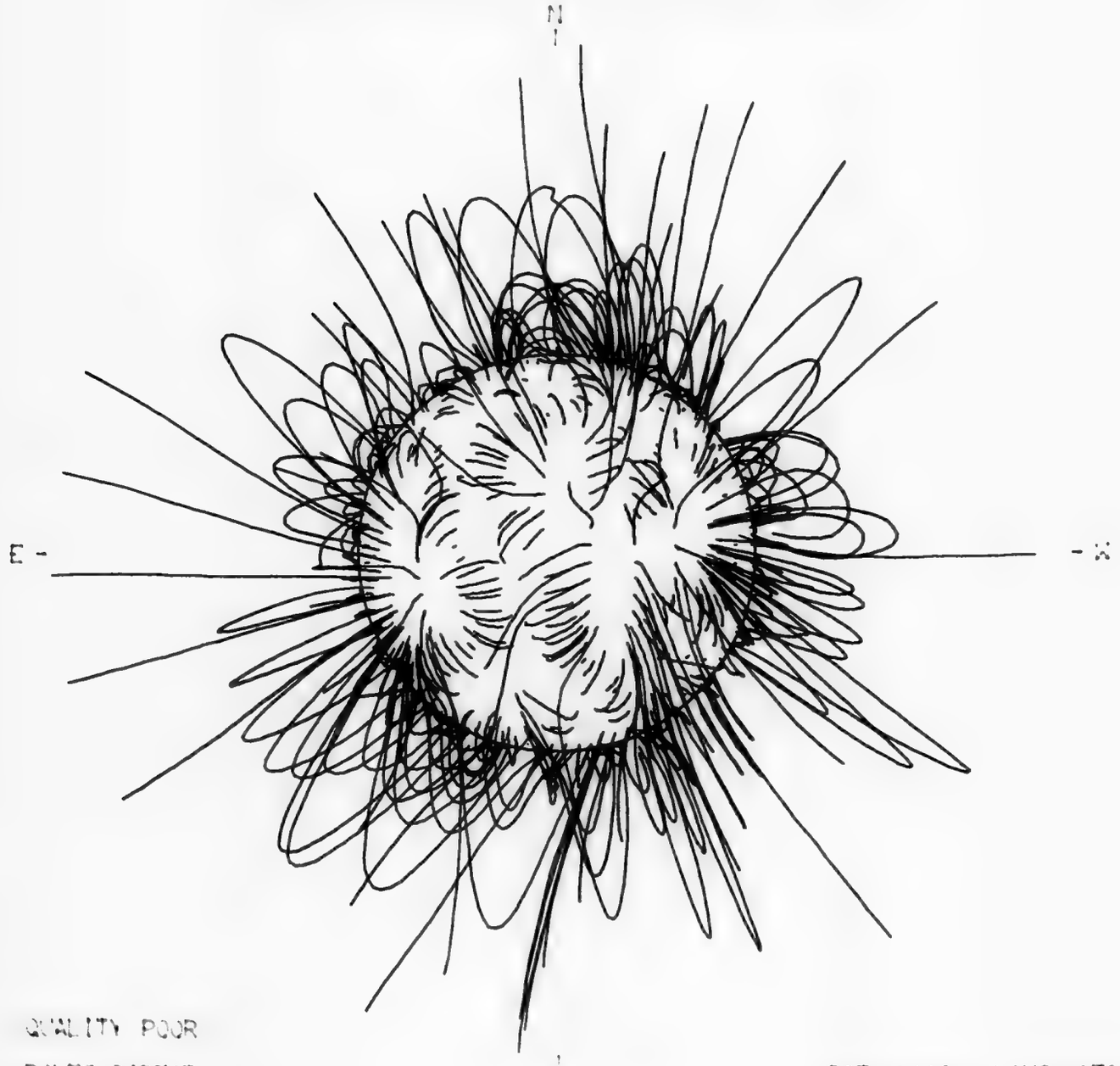
POLES DIRECT

DATA WINDOW 1446.00

ROT. 1446 LONG. 140°

24.2 OCT 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

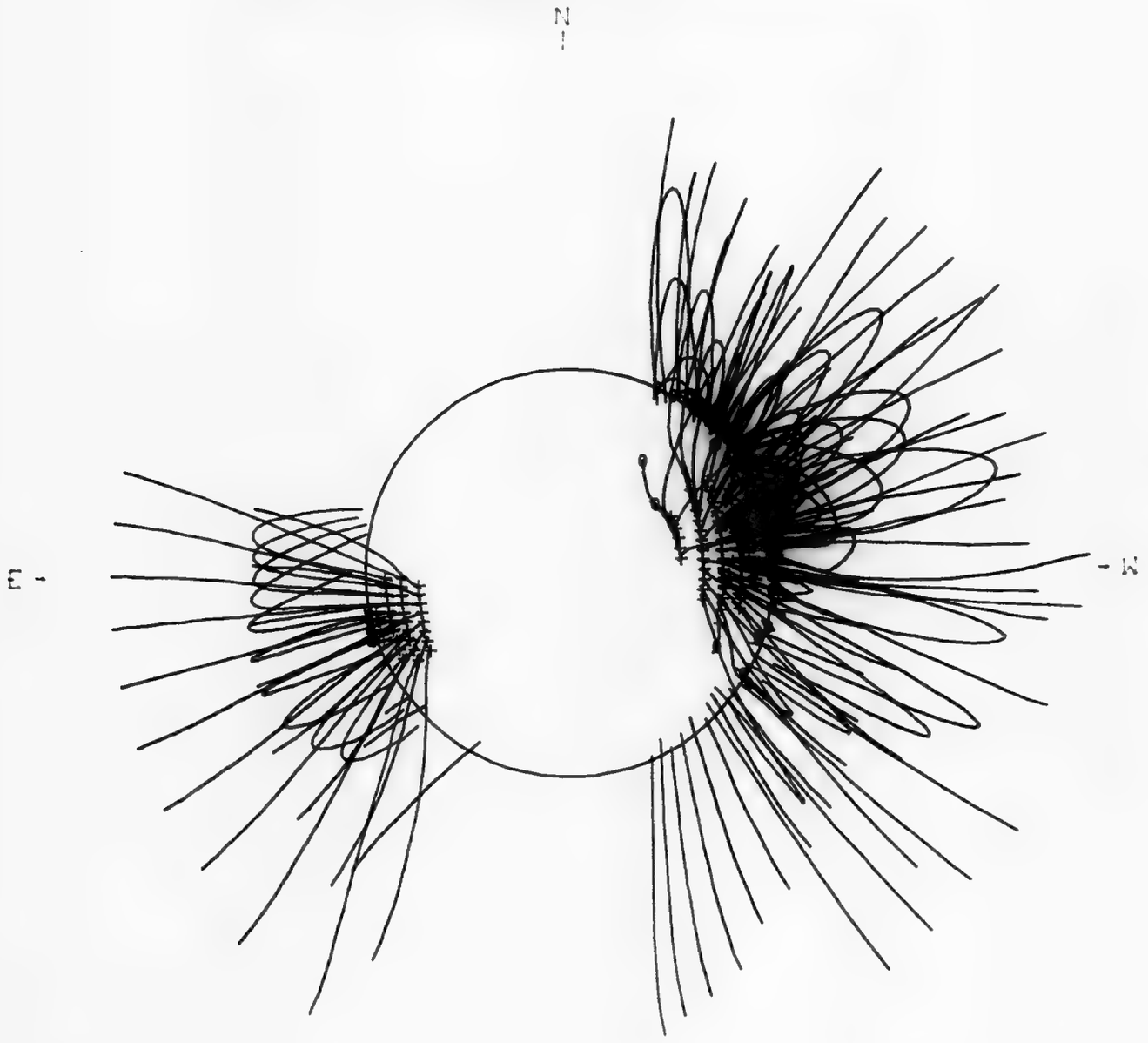
POLES DIRECT

DATA WINDOW 1446.00

ROT. 1446 LONG. 130°

25.0 LAT. 46°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

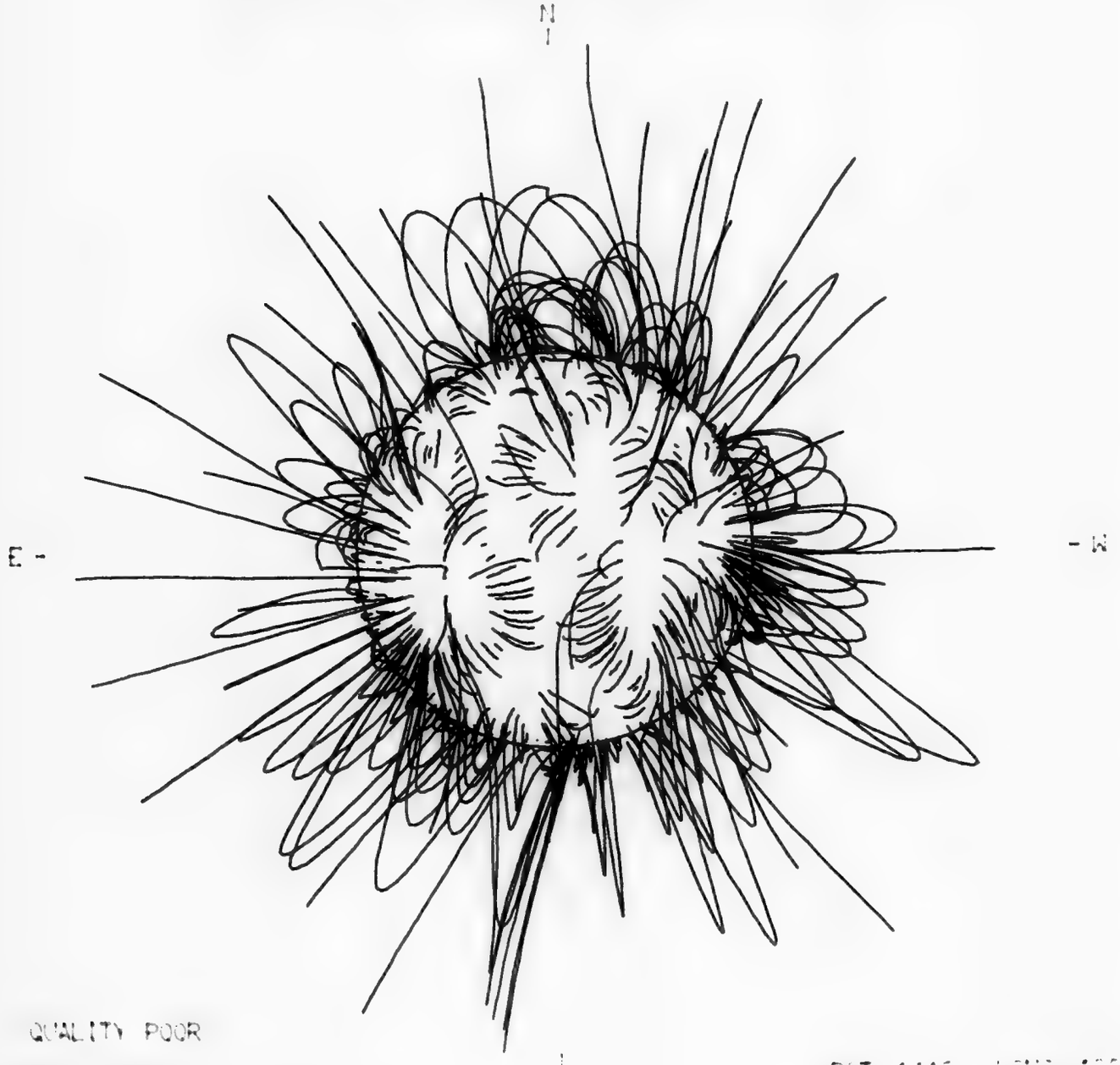
POLES DIRECT

DATA WINDOW 1446.00

RGT. 1446 LONG. 130°

25.0 UT 126°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

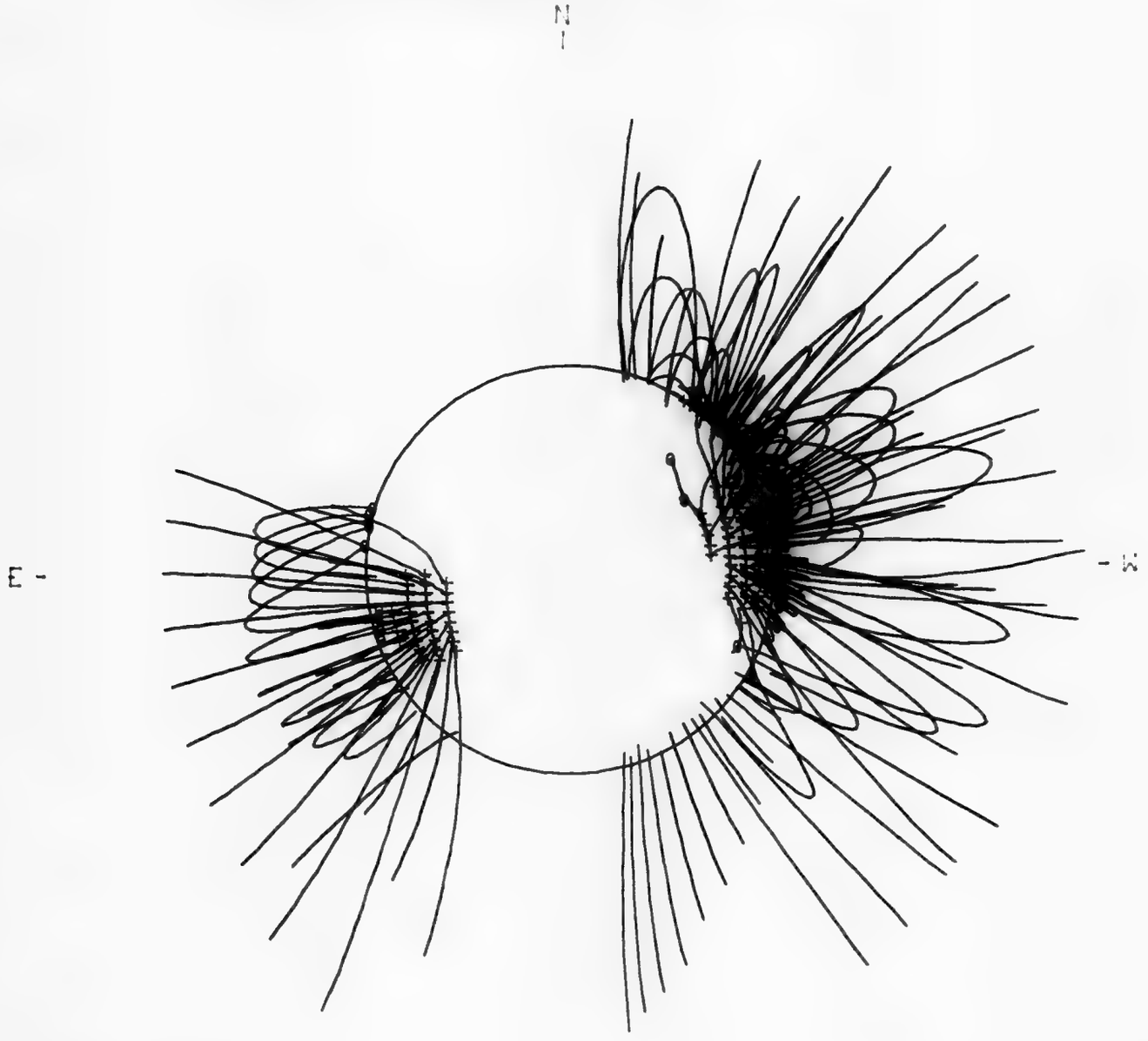
POLES DIRECT

DATA WINDOW 1446.00

ROT. 1446 LONG. 120°

25.7 [illegible] 26°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

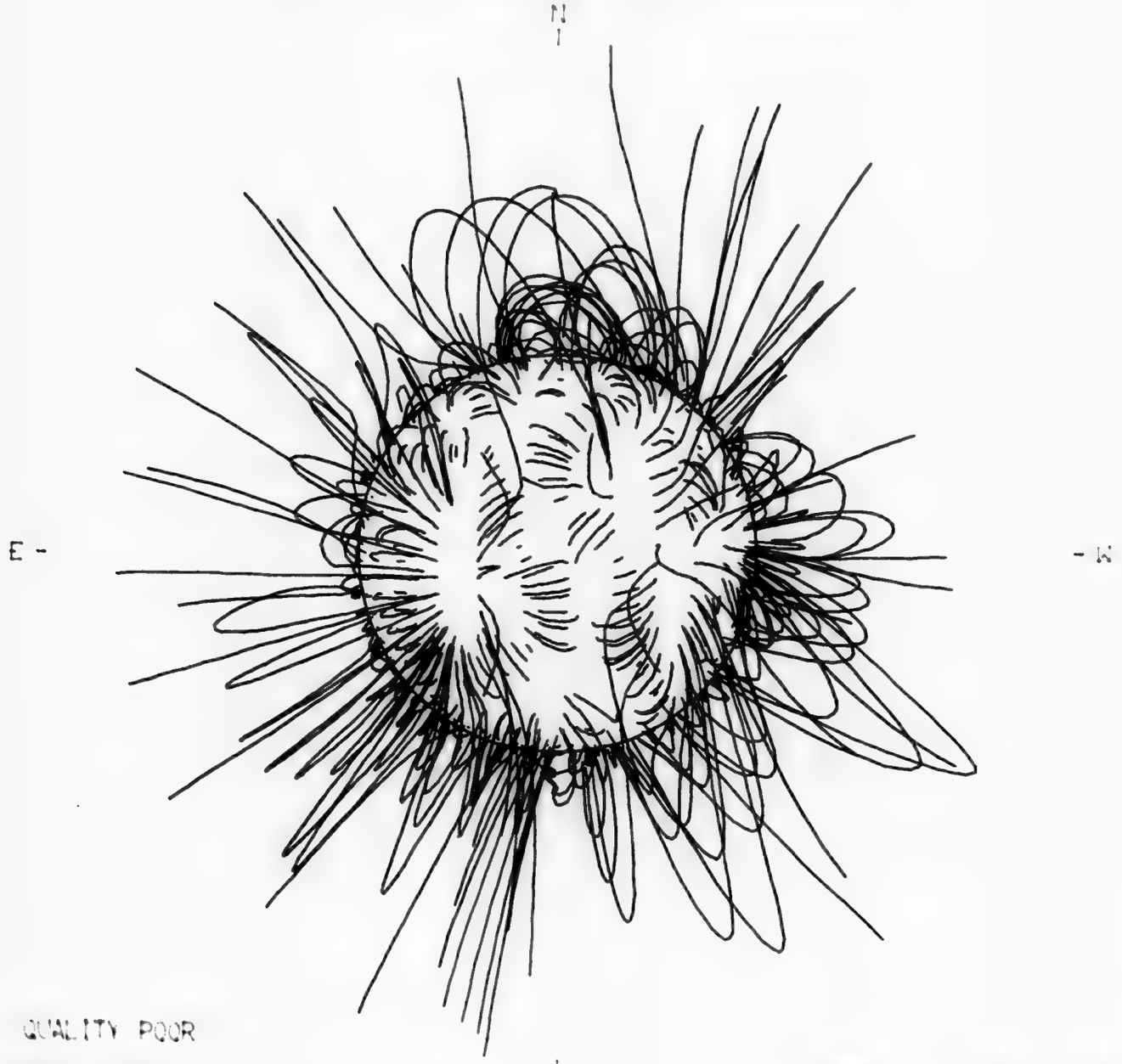
POLES DIRECT

DATA WINDOW 1446.00

ROT. 1445 LONG. 120°

25.7 LAT 1.6°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

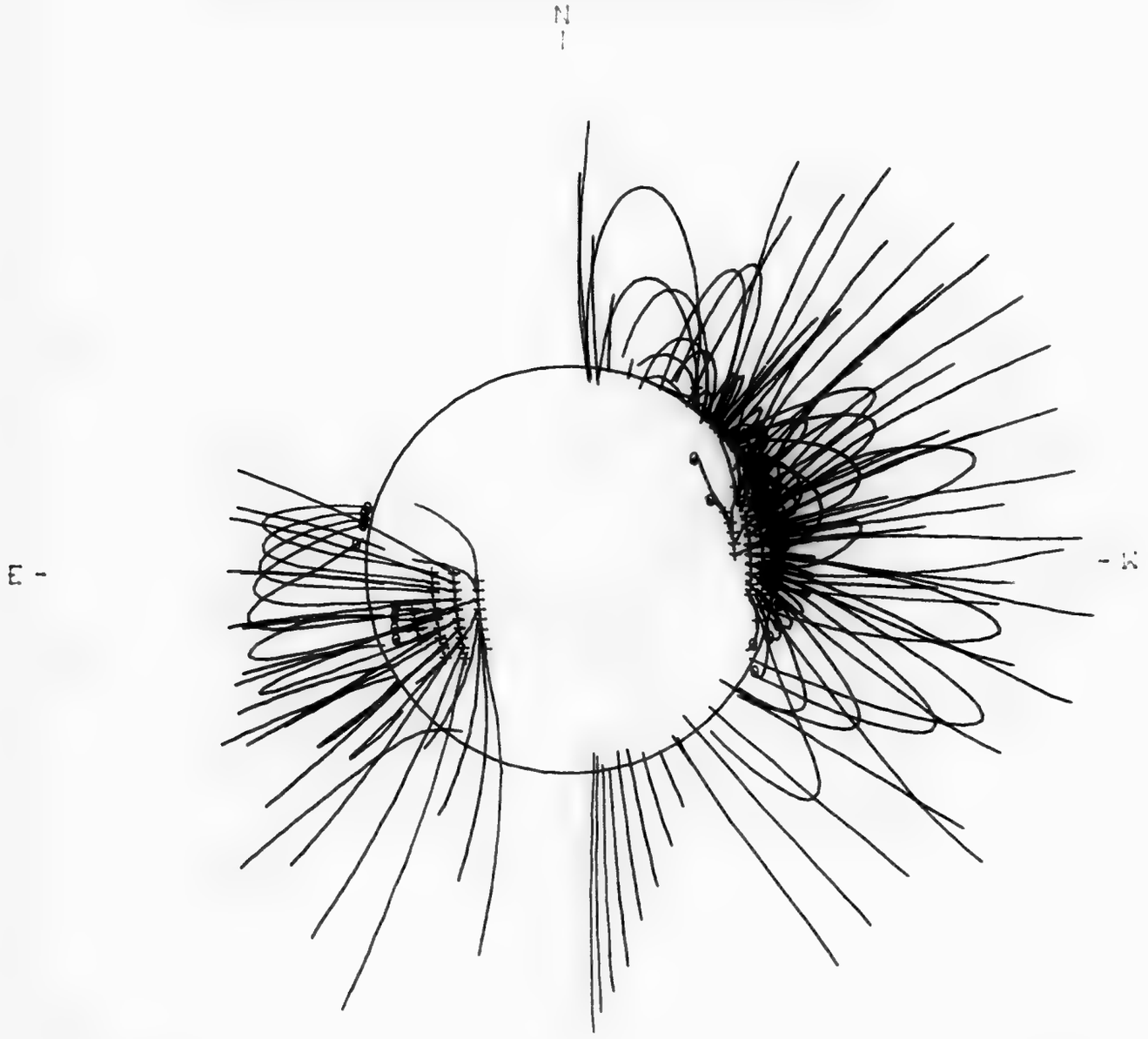
POLES DIRECT

DATA WINDOW 1446.00

ROT. 1446 LONG. [illegible]°

26.5 OCT 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

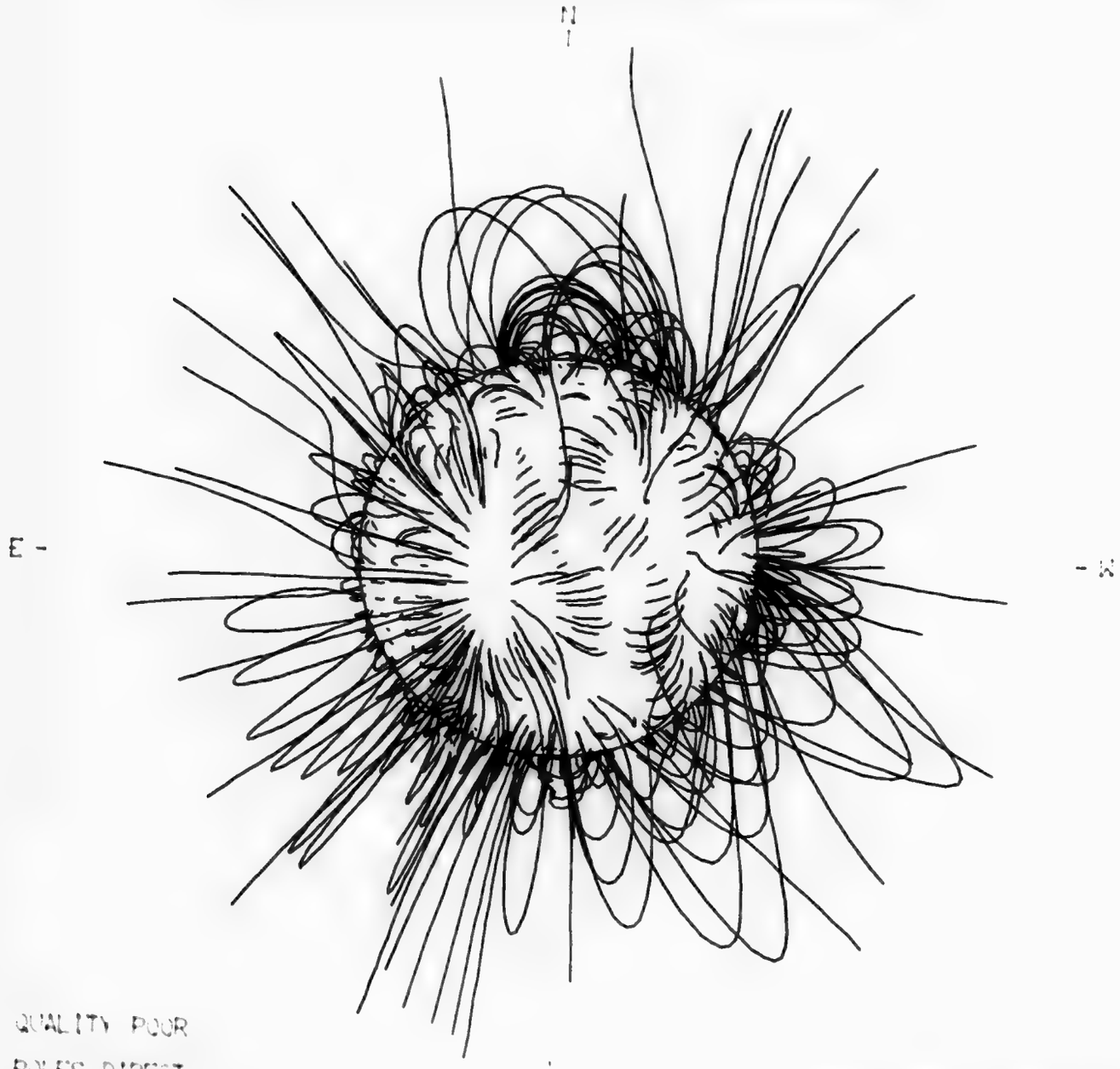
POLES DIRECT

DATA WINDOW 1446.00

ROT. 1446 [illegible]°

26.5 OCT [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

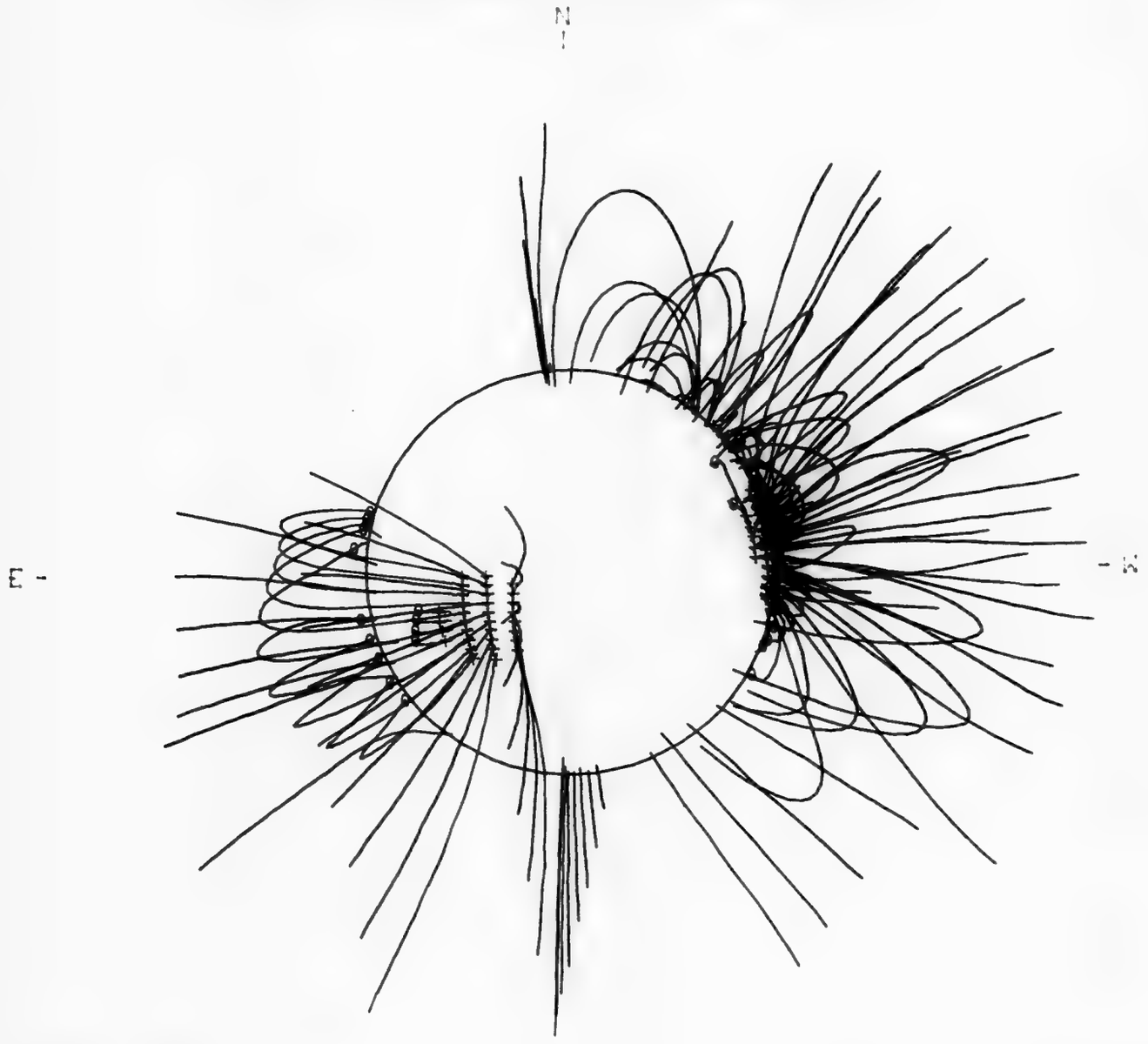
POLES DIRECT

DATA WINDOW 1[illegible].00

ROT. 1[illegible] LONG. [illegible]°

27.2 [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

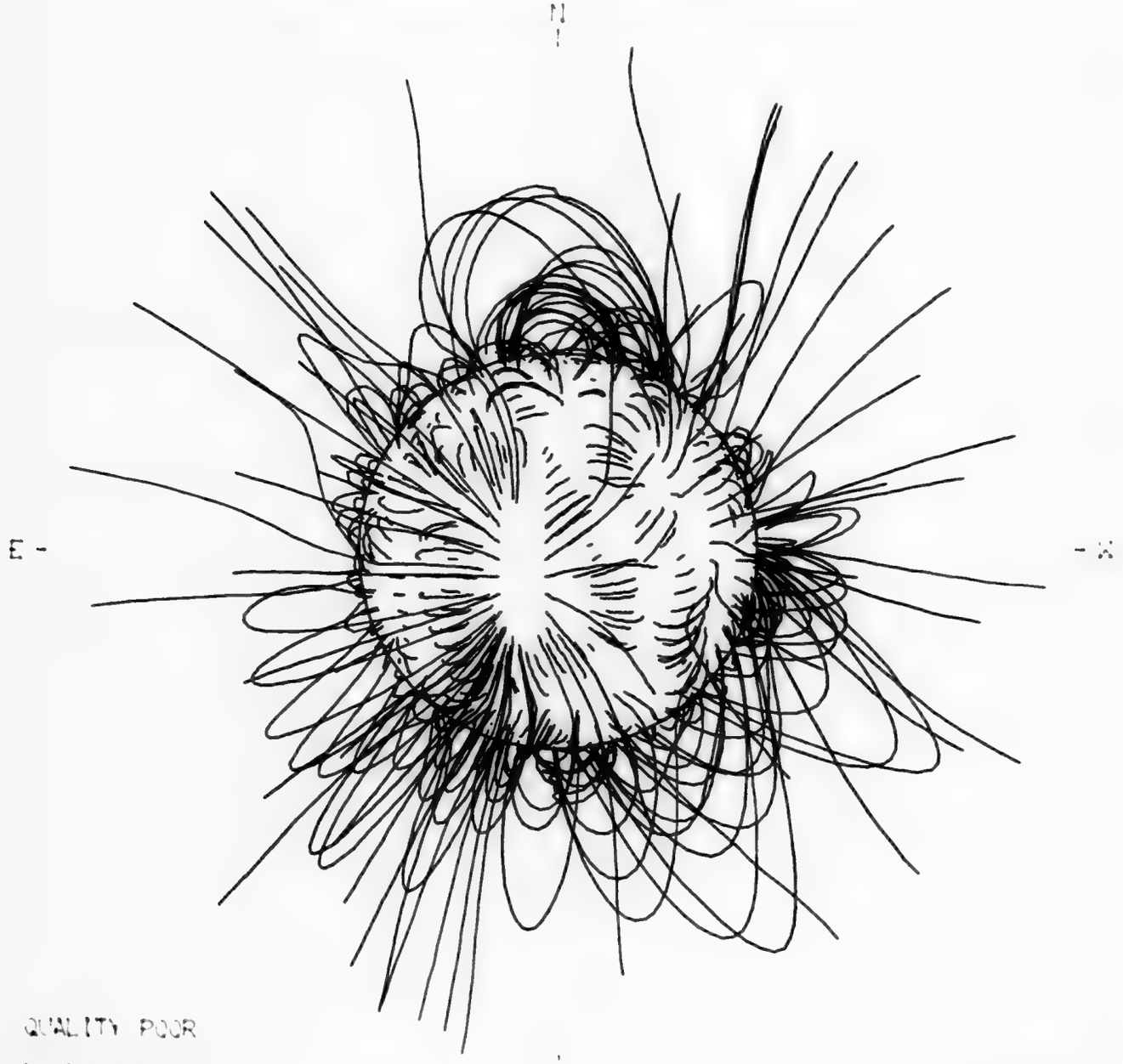
POLES DIRECT

DATA WINDOW 1446.00

ROT. 1446 LONG. 180°

27.2 SET 95°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

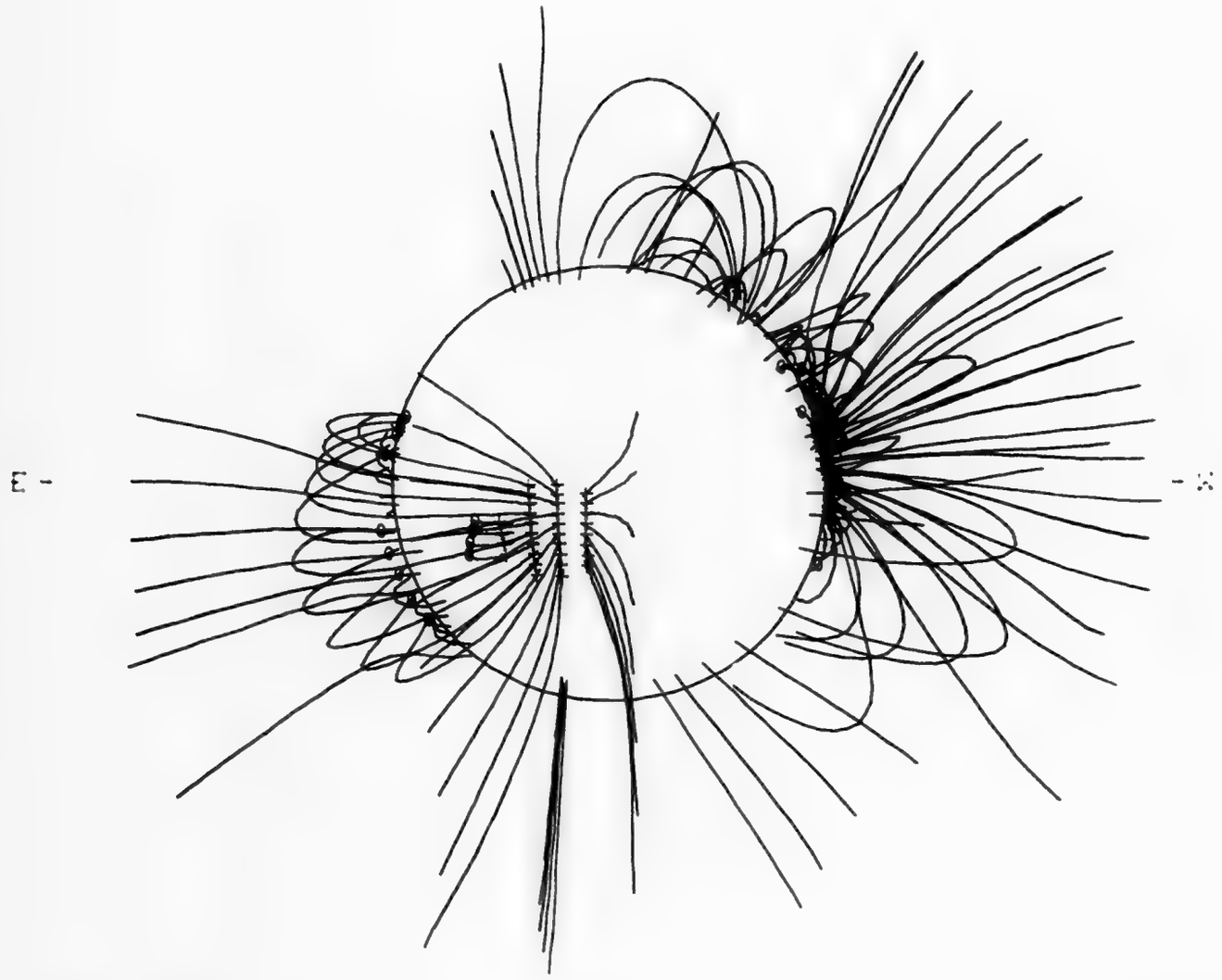
POLES DIRECT

DATA WINDOW 1886.00

ROT. 1886 LONG. 0°

28.0 OCT 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

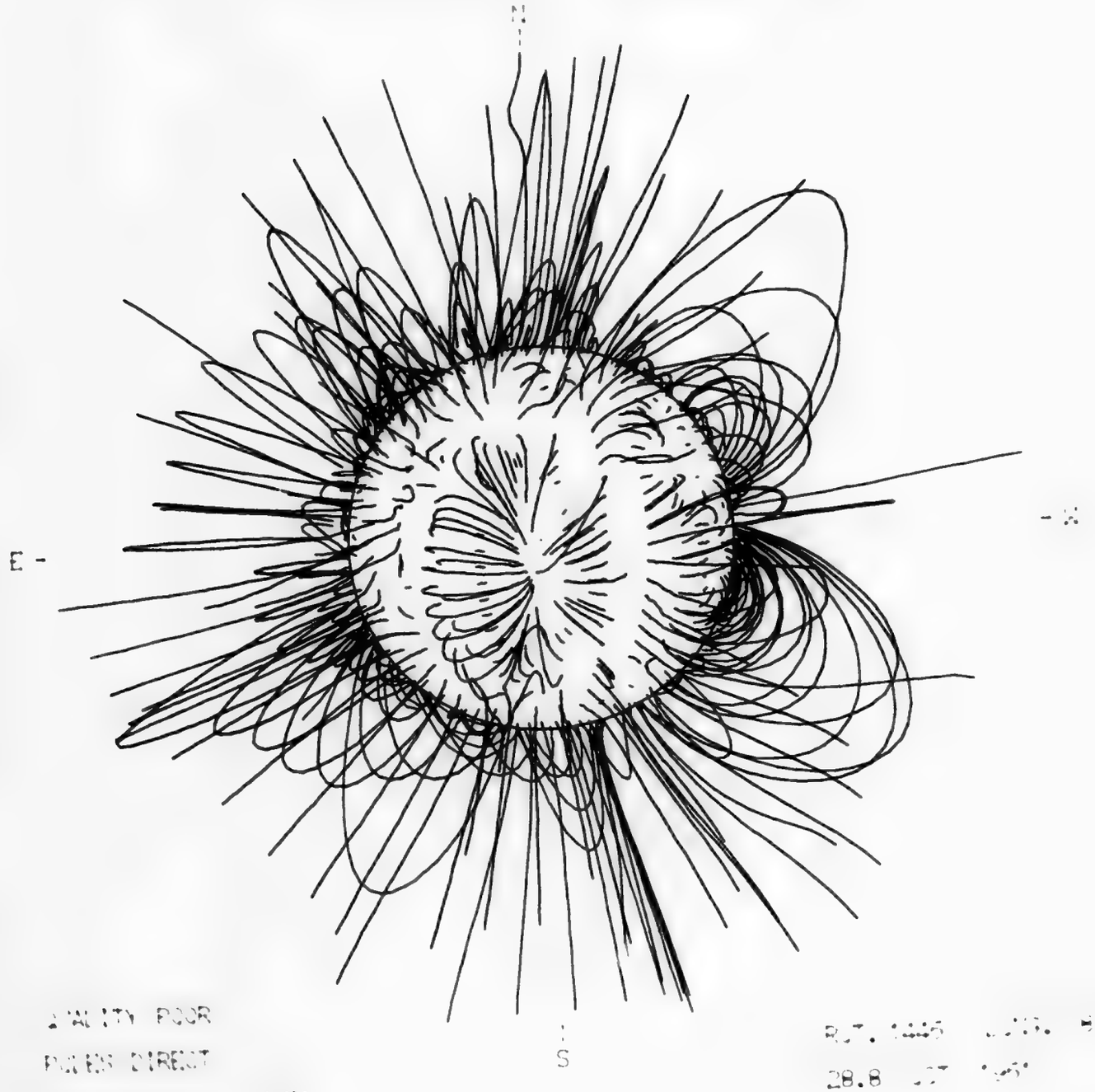
POLES DIRECT

DATA WINDOW 1.0.0.00

ROT. 1.0.0 LONG. .0°

28.0 LAT 1.0°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

PLEASE DIRECT

DATA WINDOW 1446.58

28.8

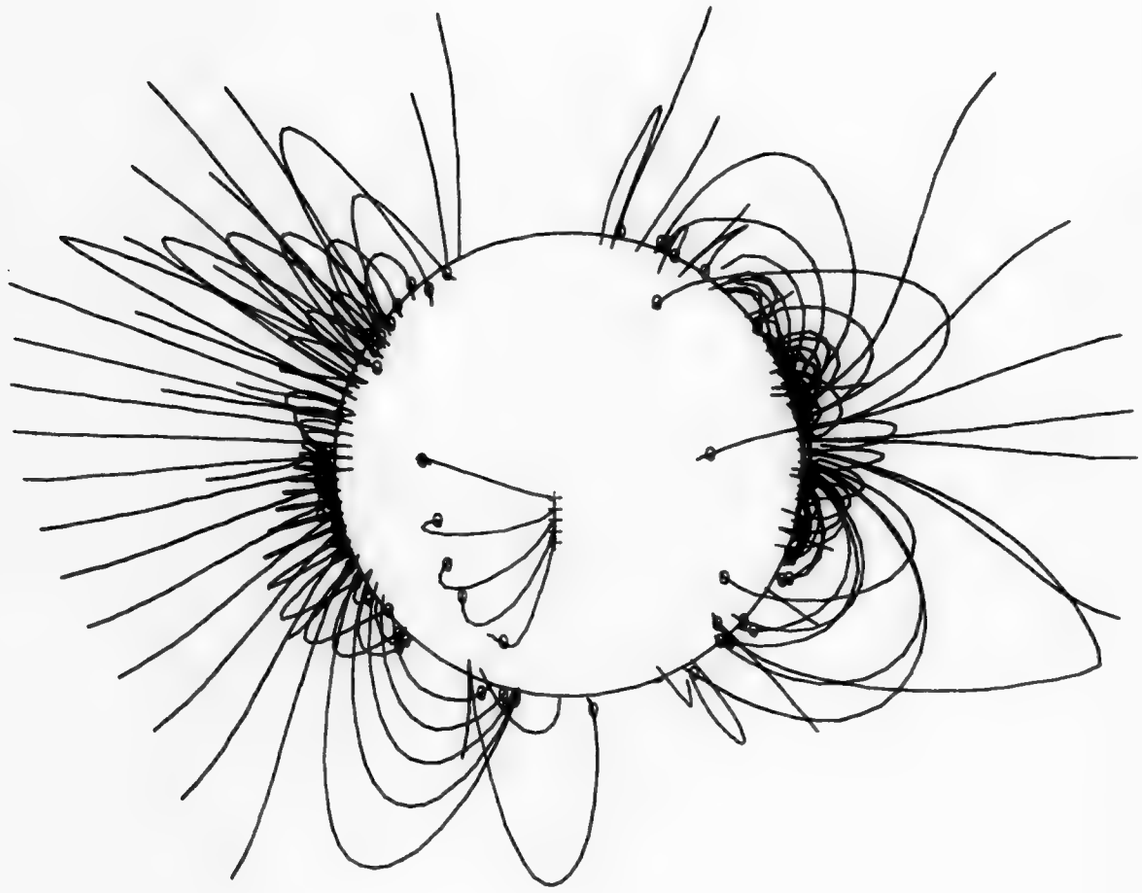
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

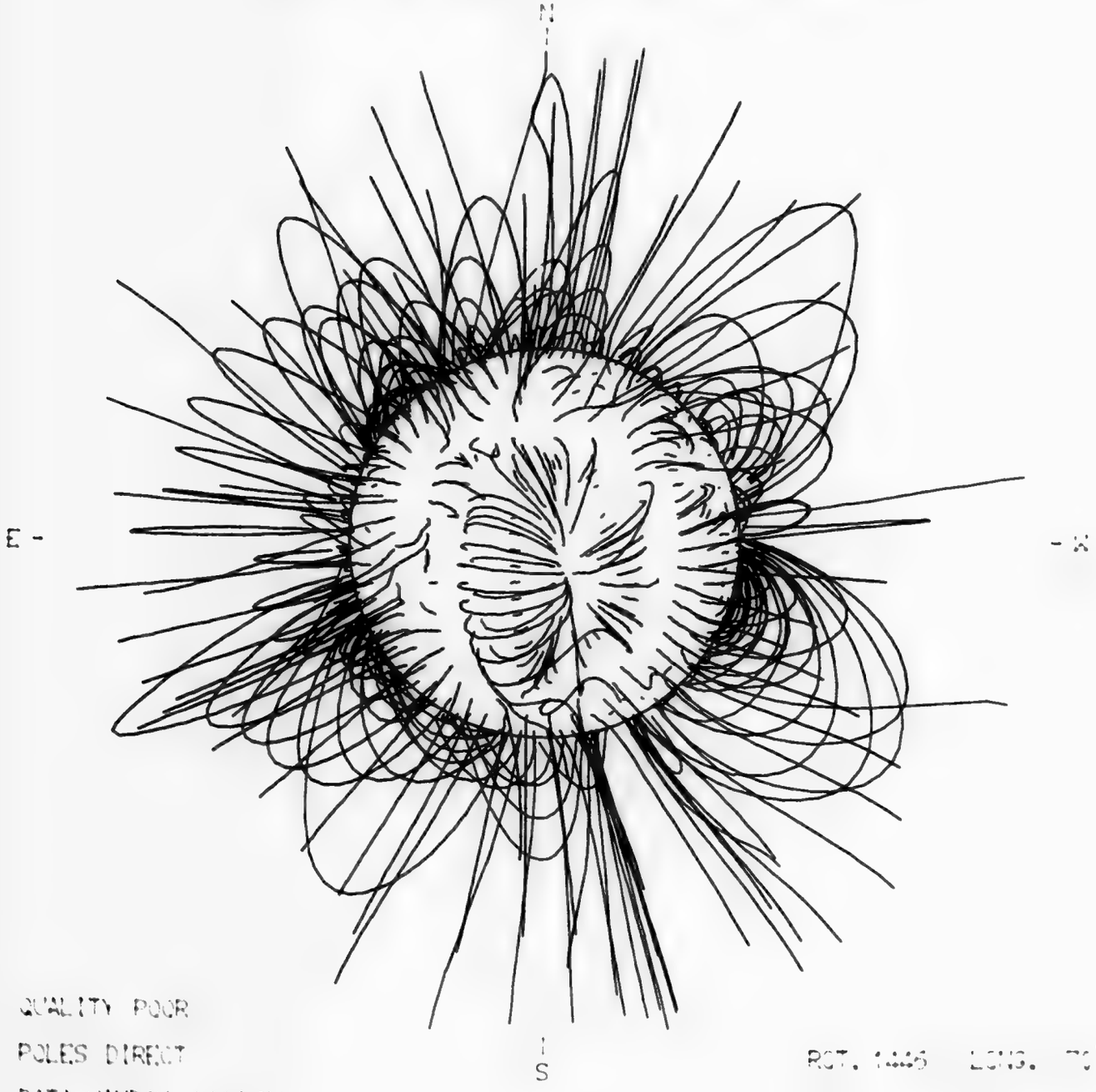
POLES DIRECT

DATA WINDOW 1446.58

ROT. 1446 LONG. 80°

28.8 OCT 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1446.58

ROT. 1446 LONG. 79°

29.5 UT 1951

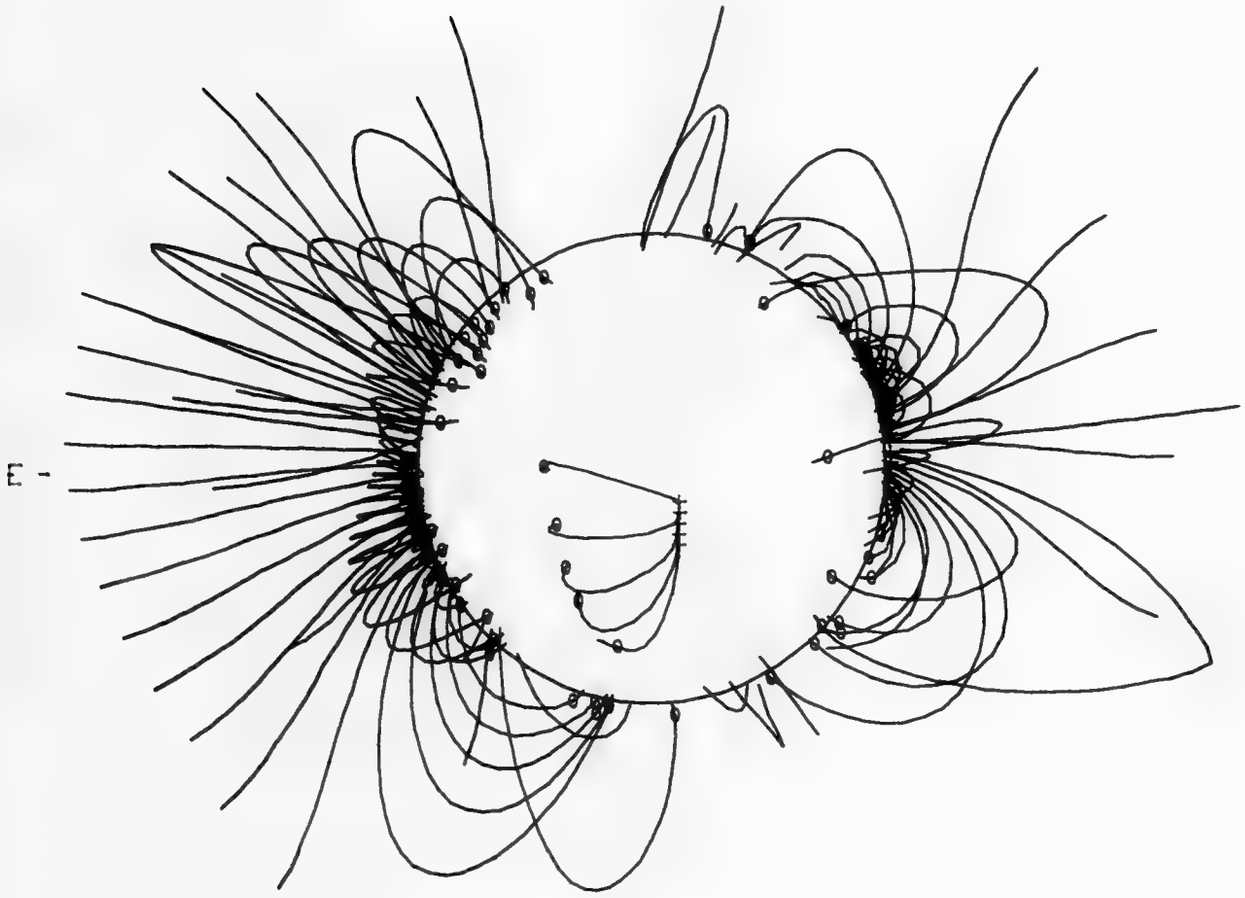
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

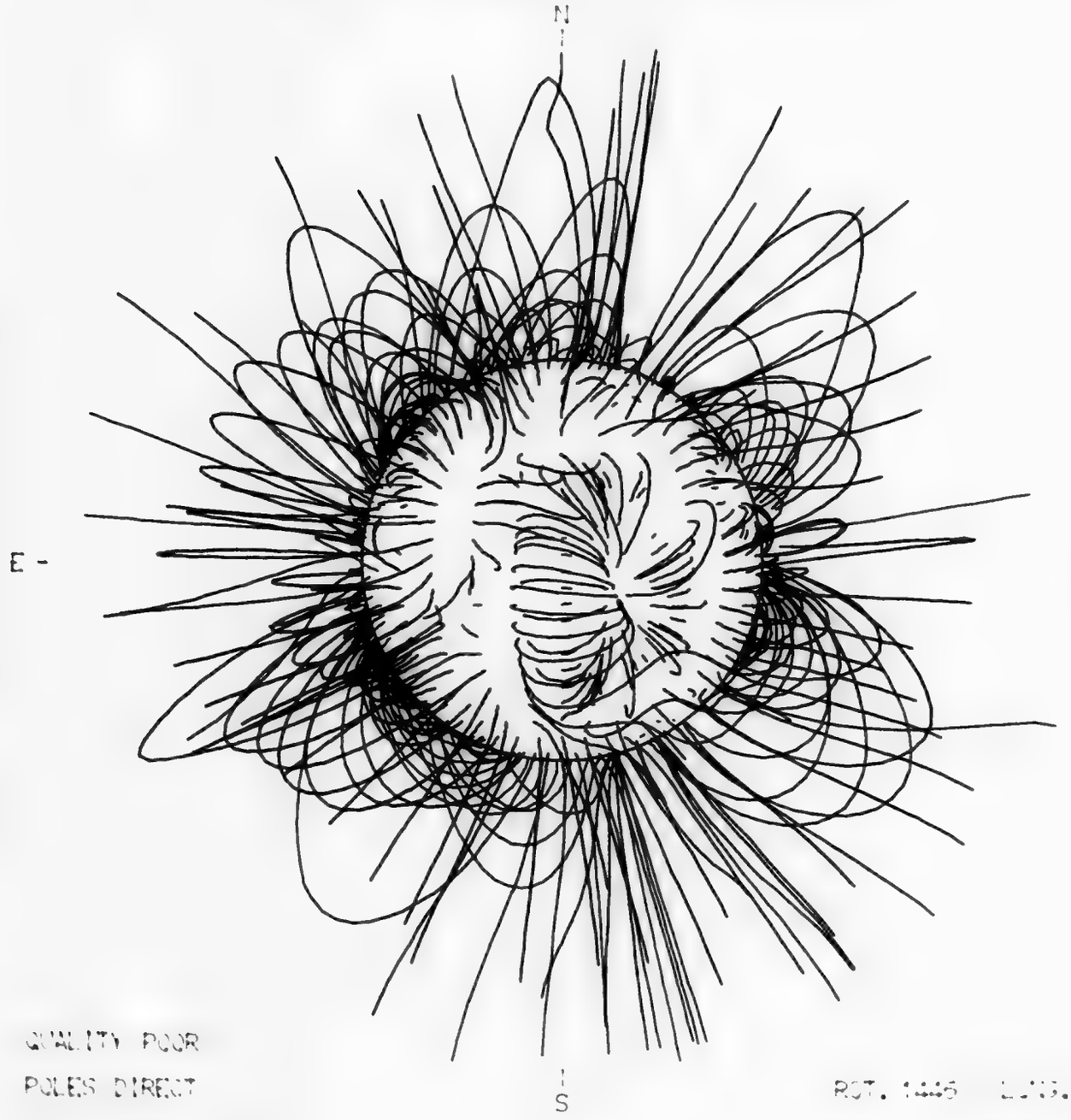
POLES DIRECT

DATA WINDOW 1446.58

ROT. 1446 LONG. 70°

29.5 OCT 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

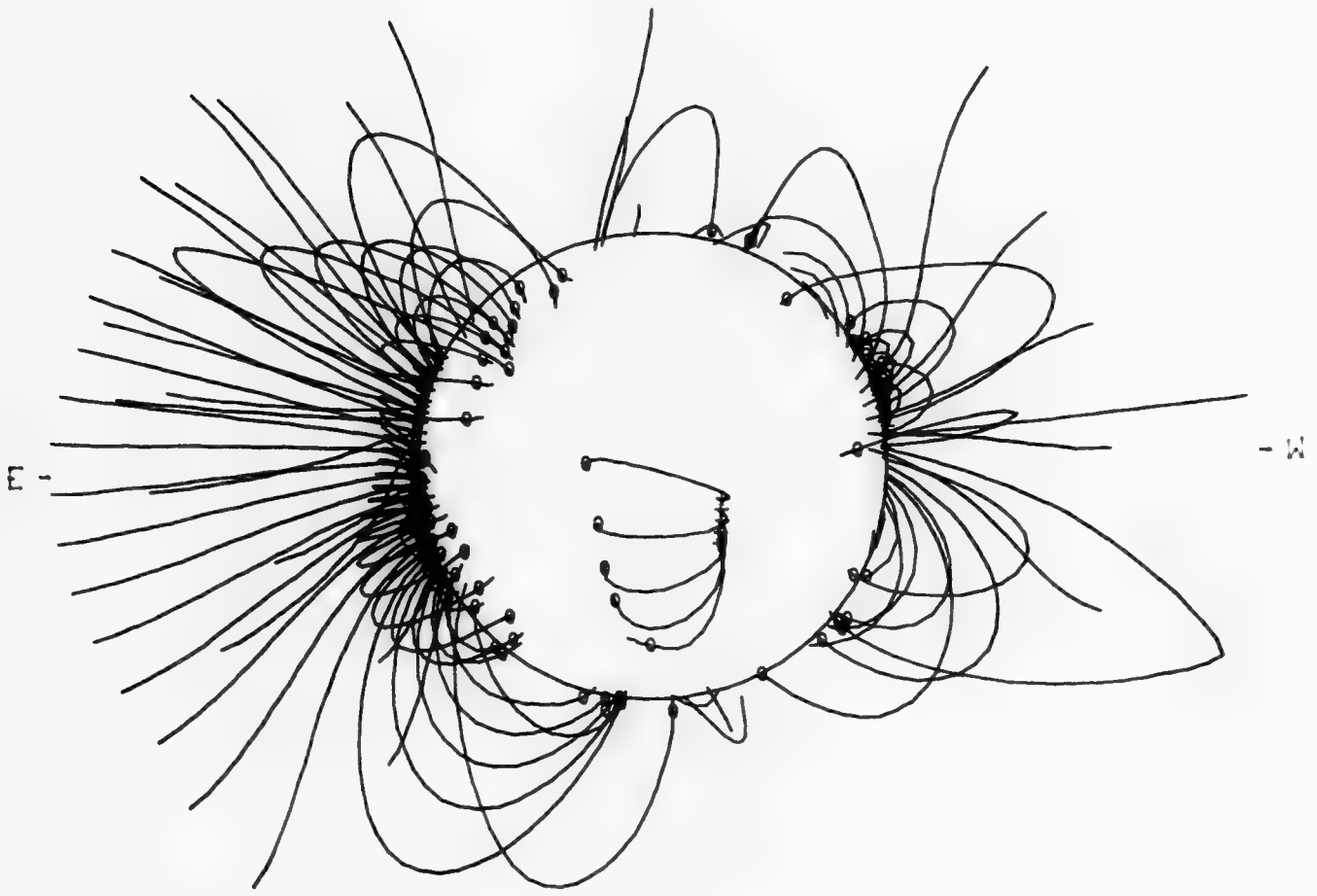
POLES DIRECT

DATA WINDOW 1446.58

ROT. 1446 LONG. 60°

30.3 DET 45°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

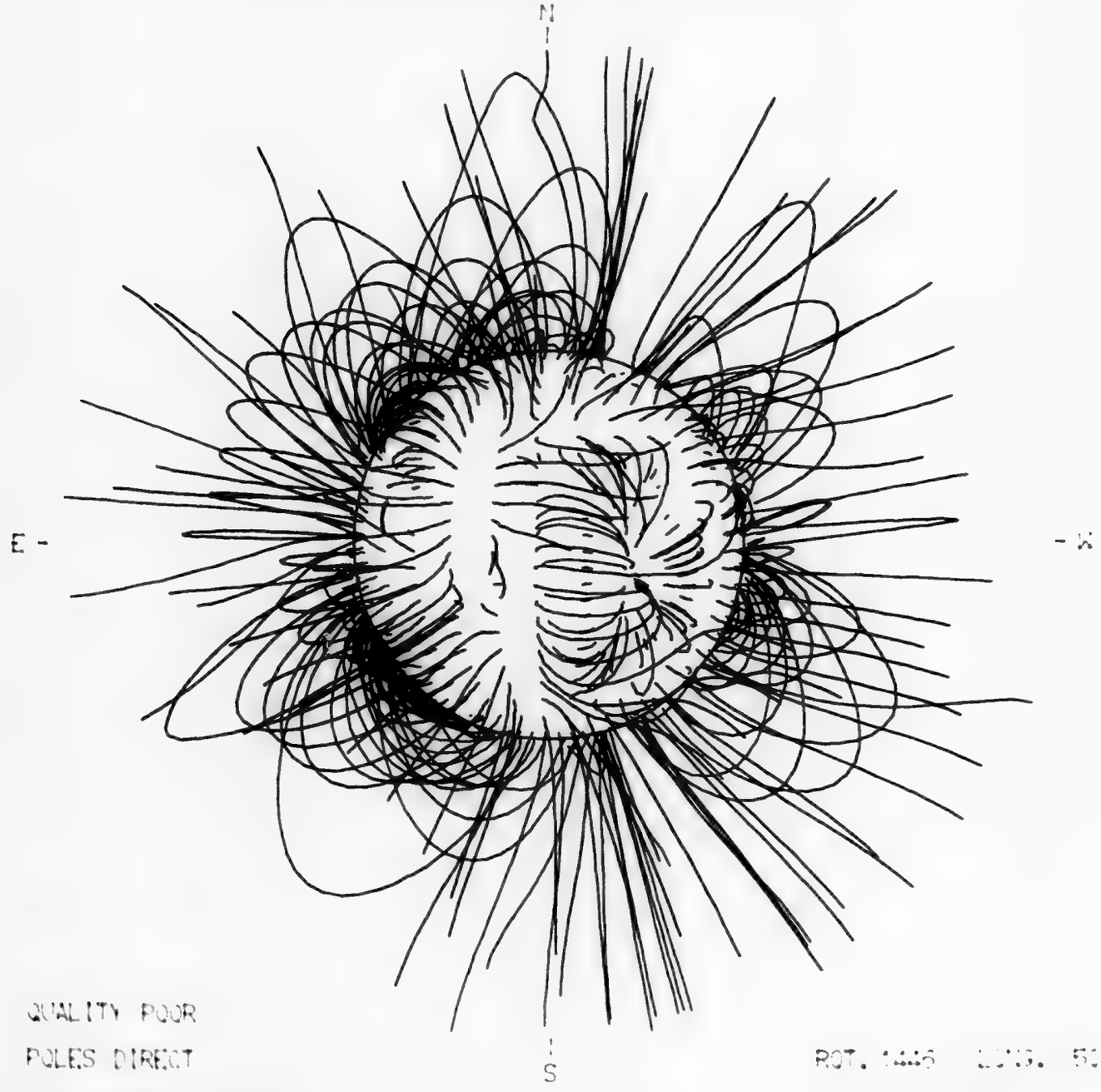
POLES DIRECT

DATA WINDOW 1446.58

ROT. 1446 LONG. 60°

30.3 CT 165°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

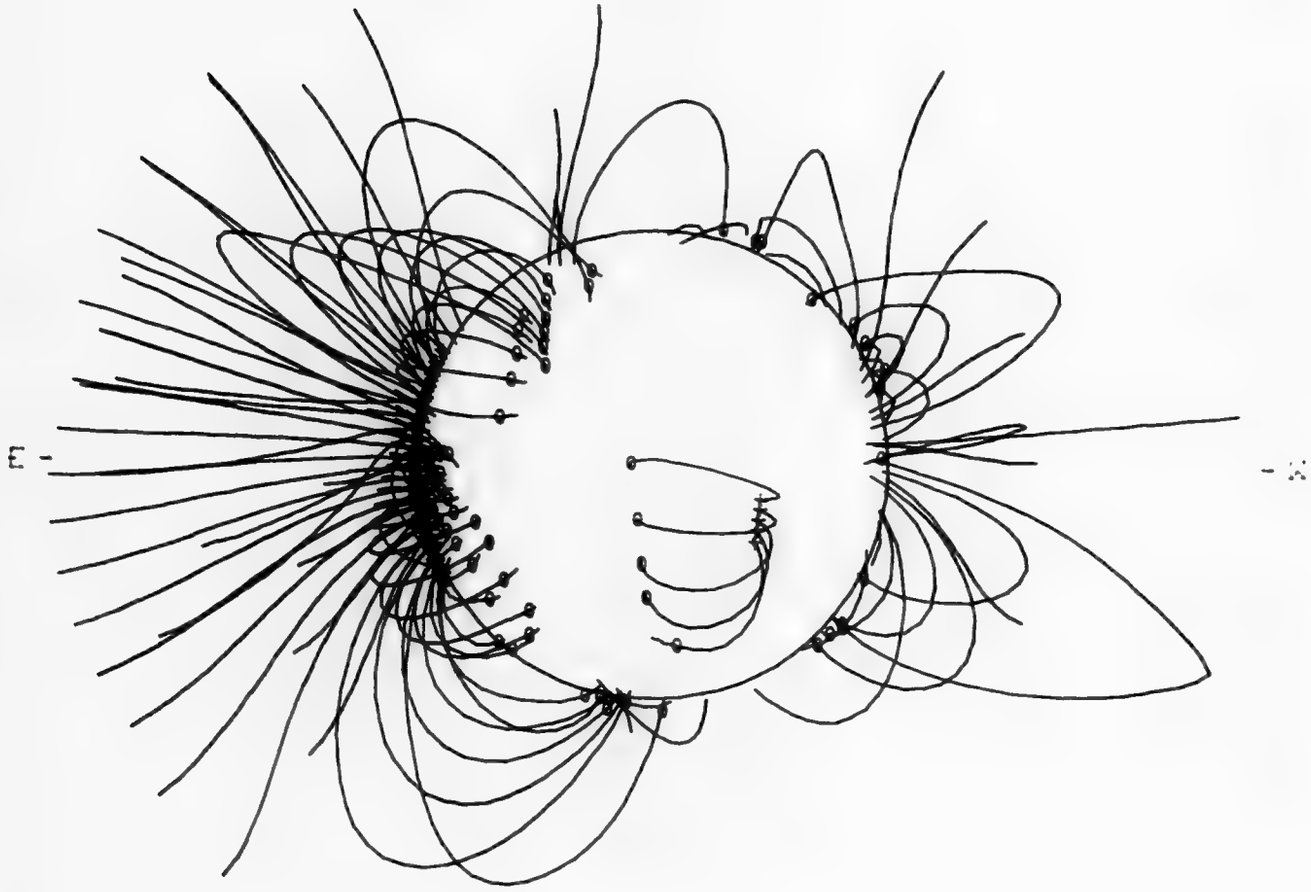
DATA WINDOW 1446.58

ROT. 1446 [illegible] 51°

31.0 [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



QUALITY POOR

POLES DIRECT

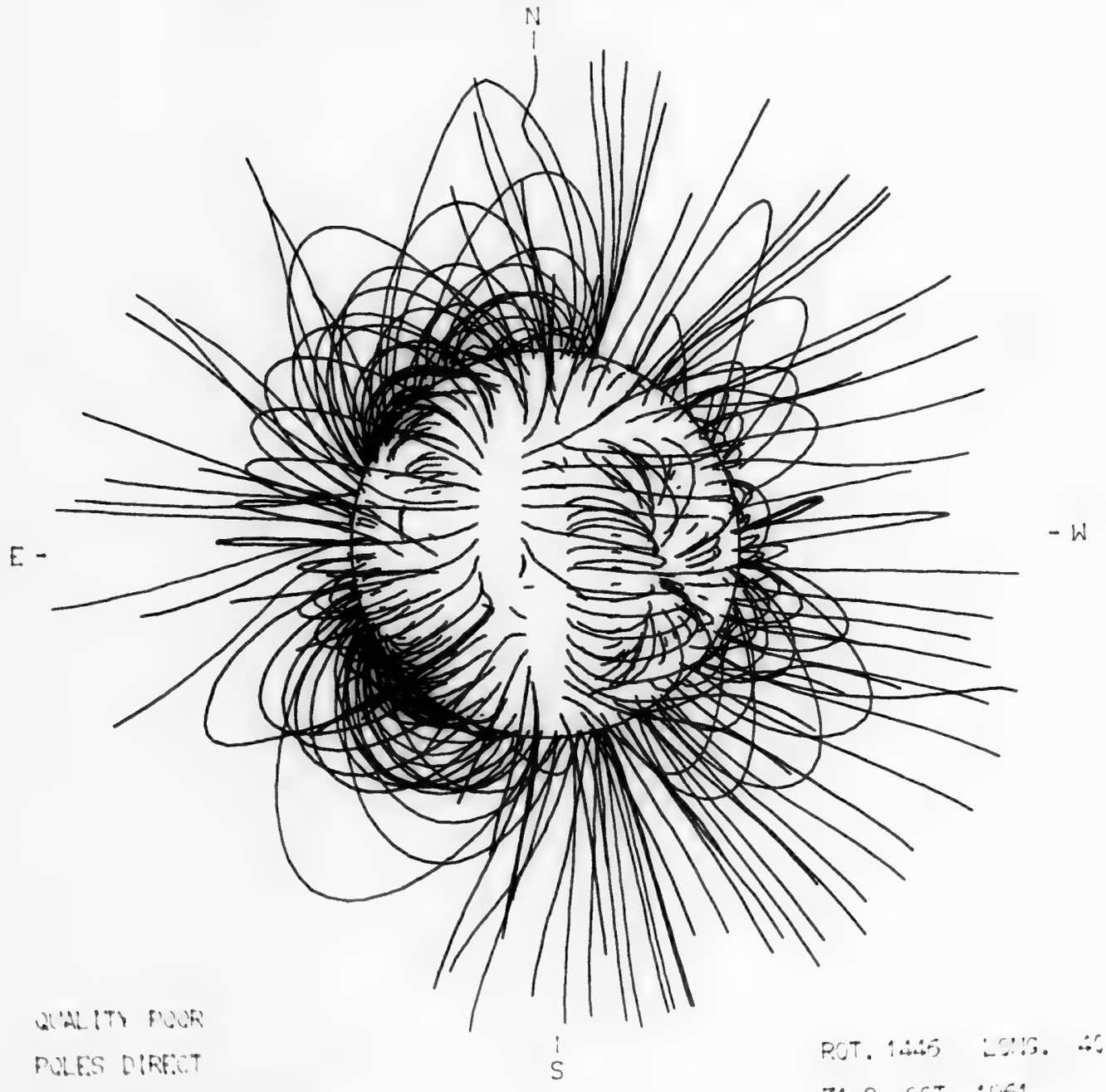
DATA WINDOW 1.1.16.58

S

ROT. 1115 LONG. 51°

31.0 LAT 1.5°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1446.58

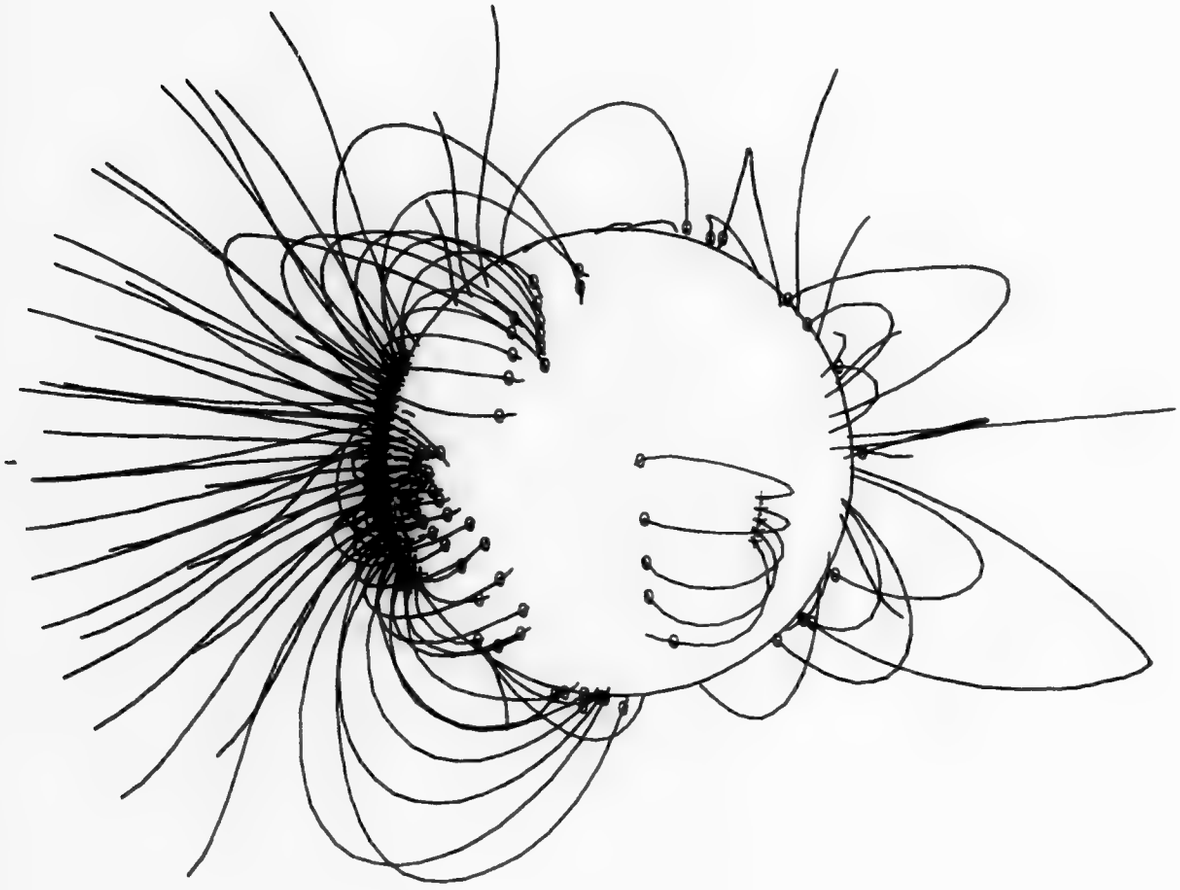
ROT. 1446 LONG. 40°

31.8 OCT 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

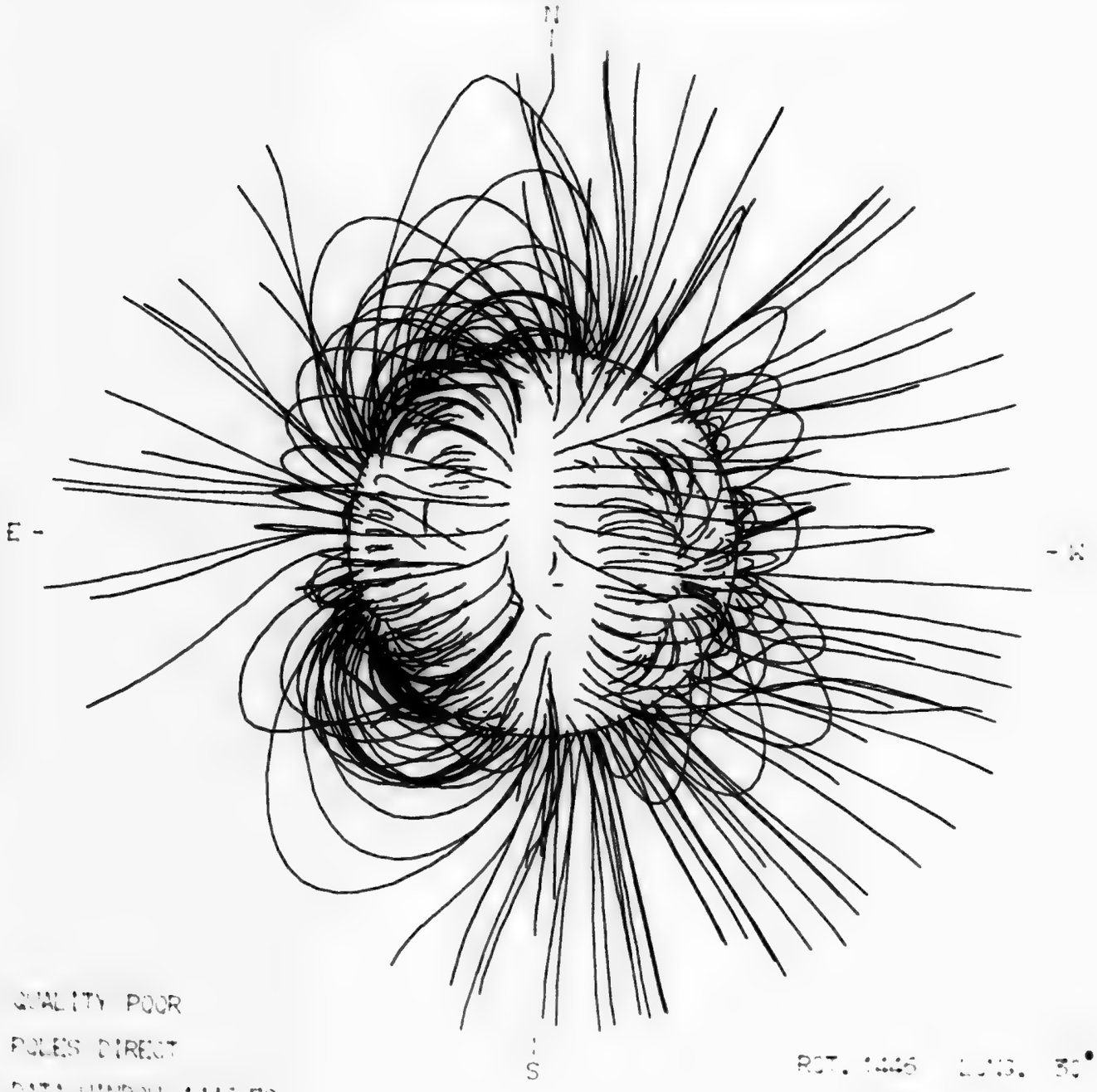
POLES DIRECT

DATA WINDOW 1.1.6.58

R.T. 1.1.6 [illegible] 41°

31.8 [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

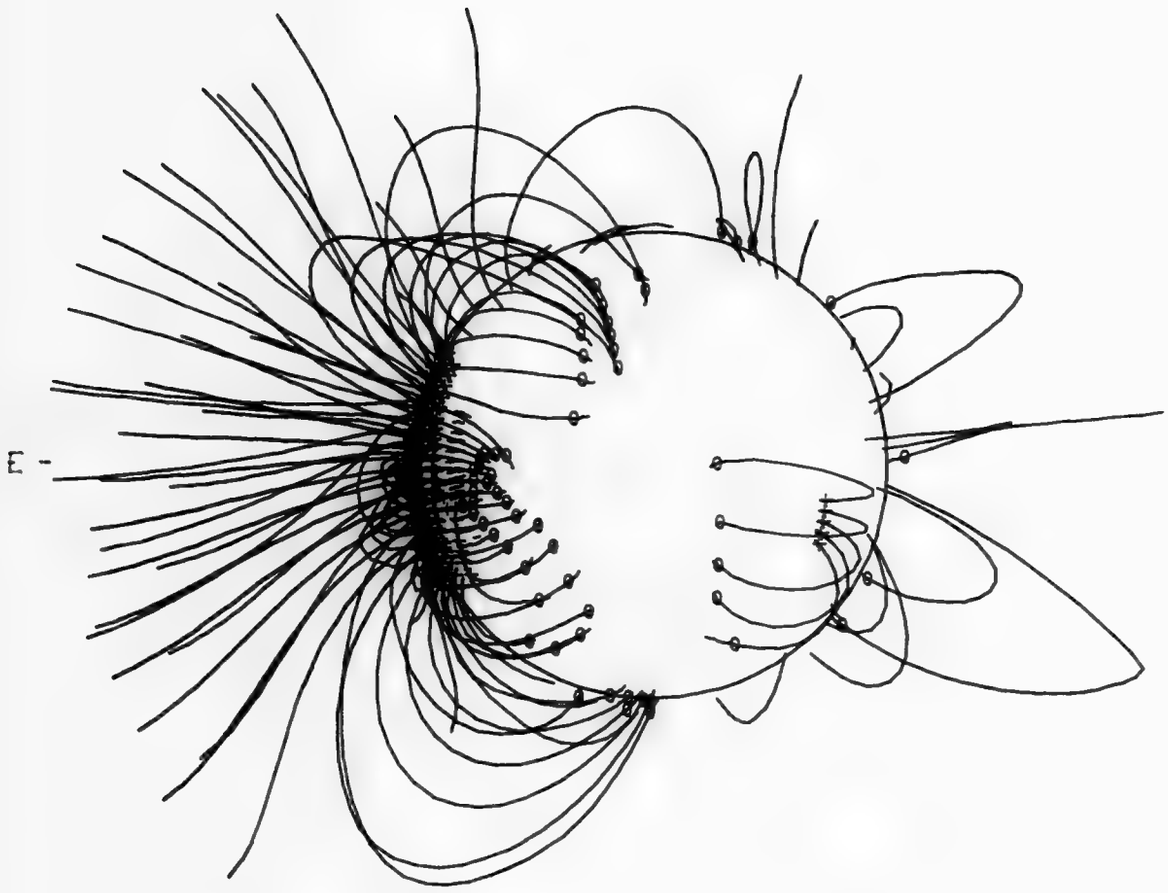
DATA WINDOW 1446,58

ROT. 1446 LONG. 30°

1.6 [illegible] 1.6°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



QUALITY POOR

POLES DIRECT

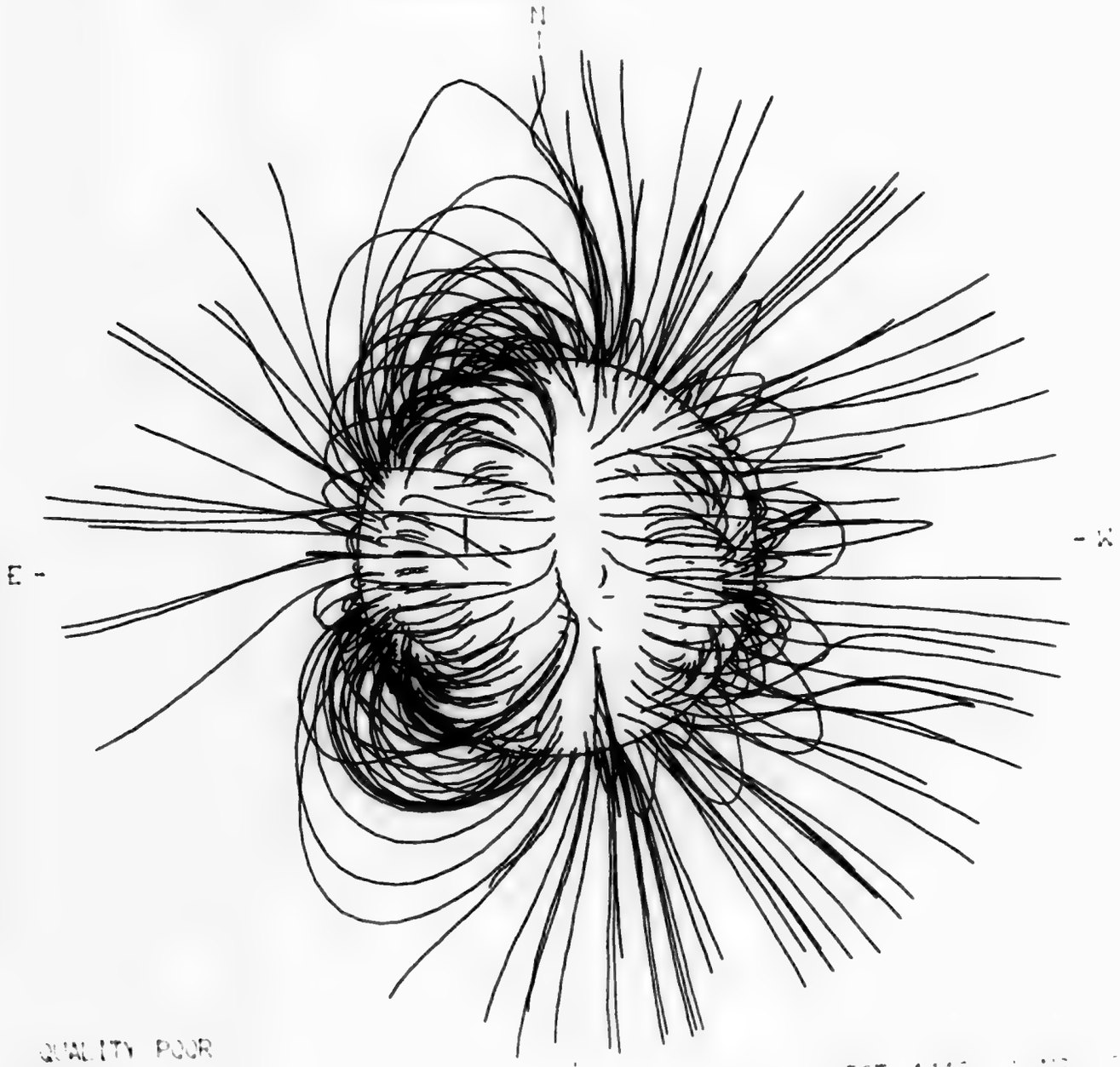
DATA WINDOW 1.0,6.58

S

ROT. 1886 LONG. 30°

1.5 [illegible] 1.65°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

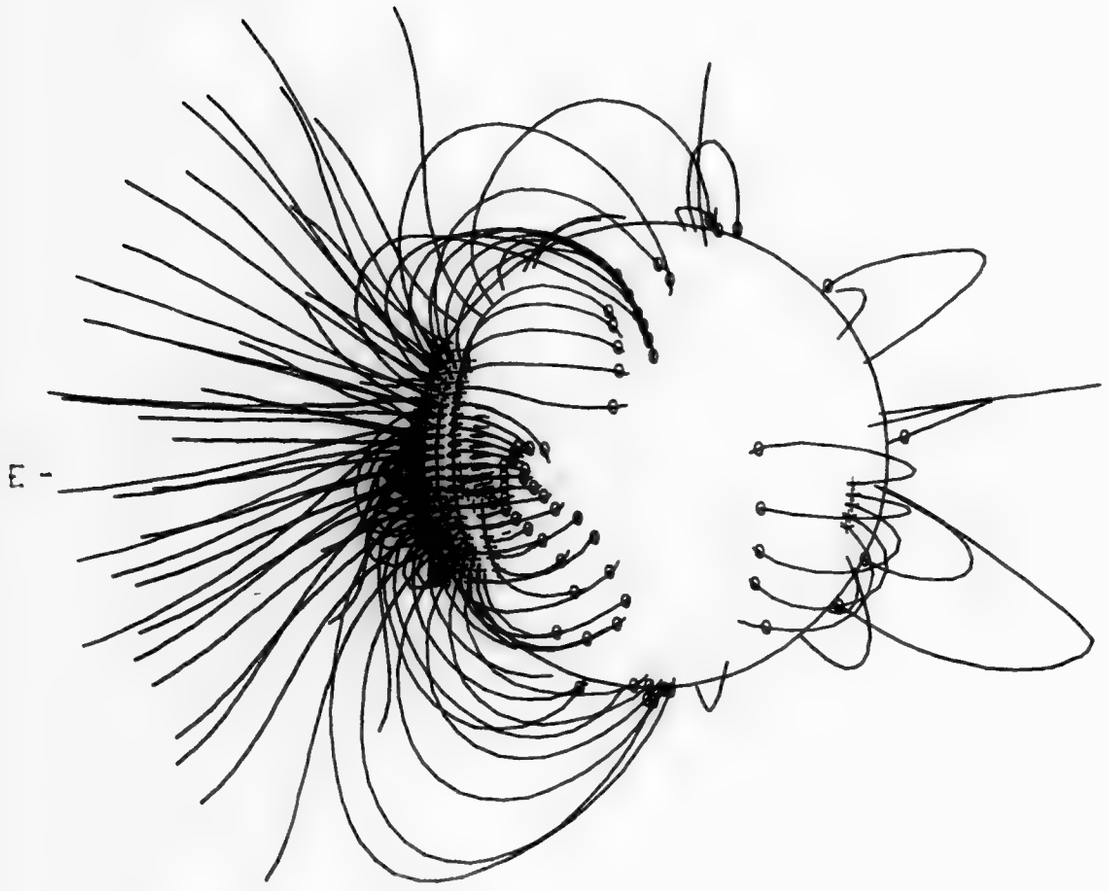
DATA WINDOW 1.1.16.5B

ROT. 1446 L=0. 0°

2.3 [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



S

QUALITY POOR

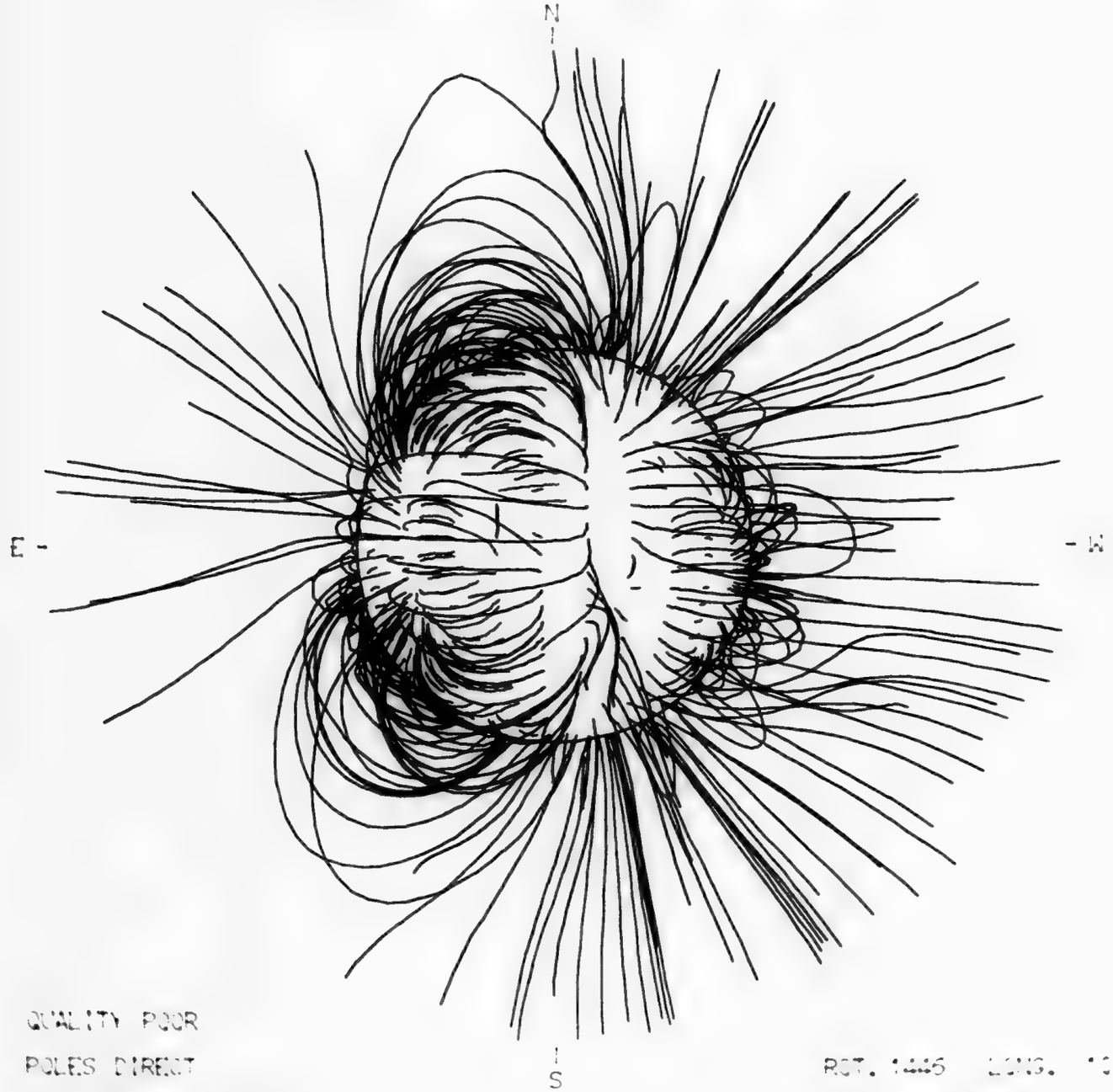
POLES DIRECT

DATA WINDOW 1446.58

ROT. 1446 [illegible] 21°

2.3 [illegible] 1.6°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

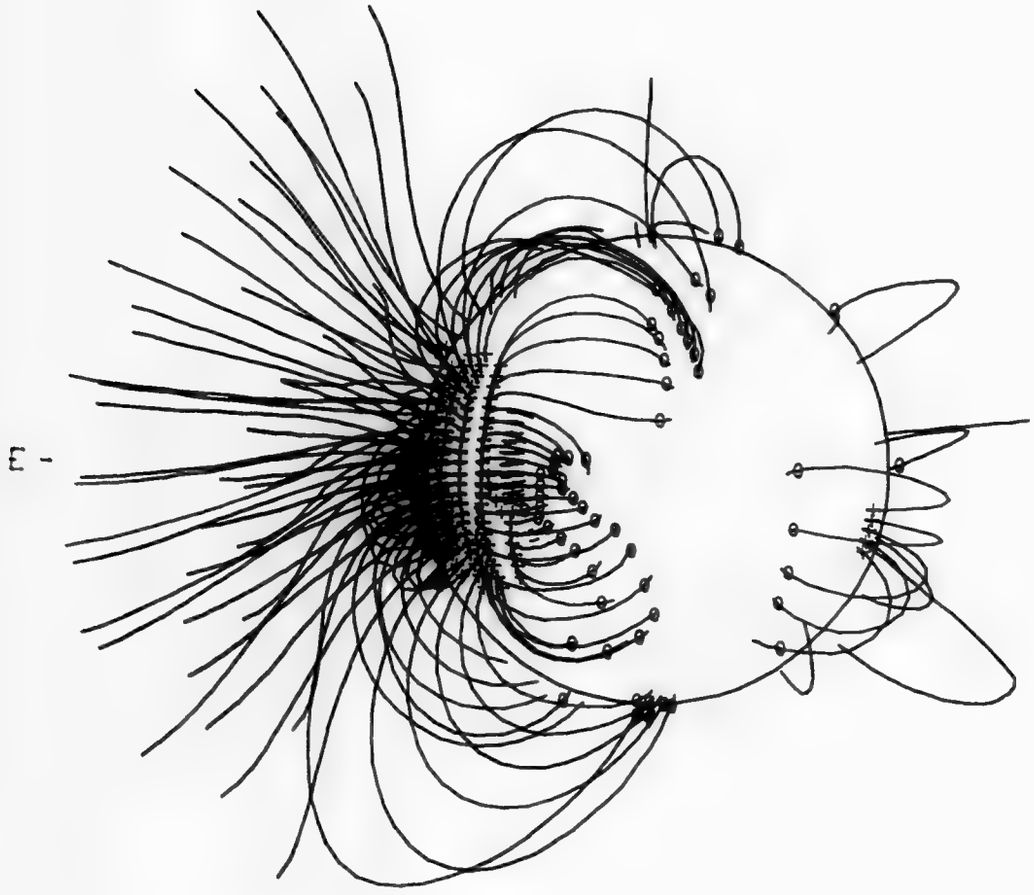
DATA WINDOW 1446.58

ROT. 1446 LONG. [illegible]°

3.1 [illegible] 135°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

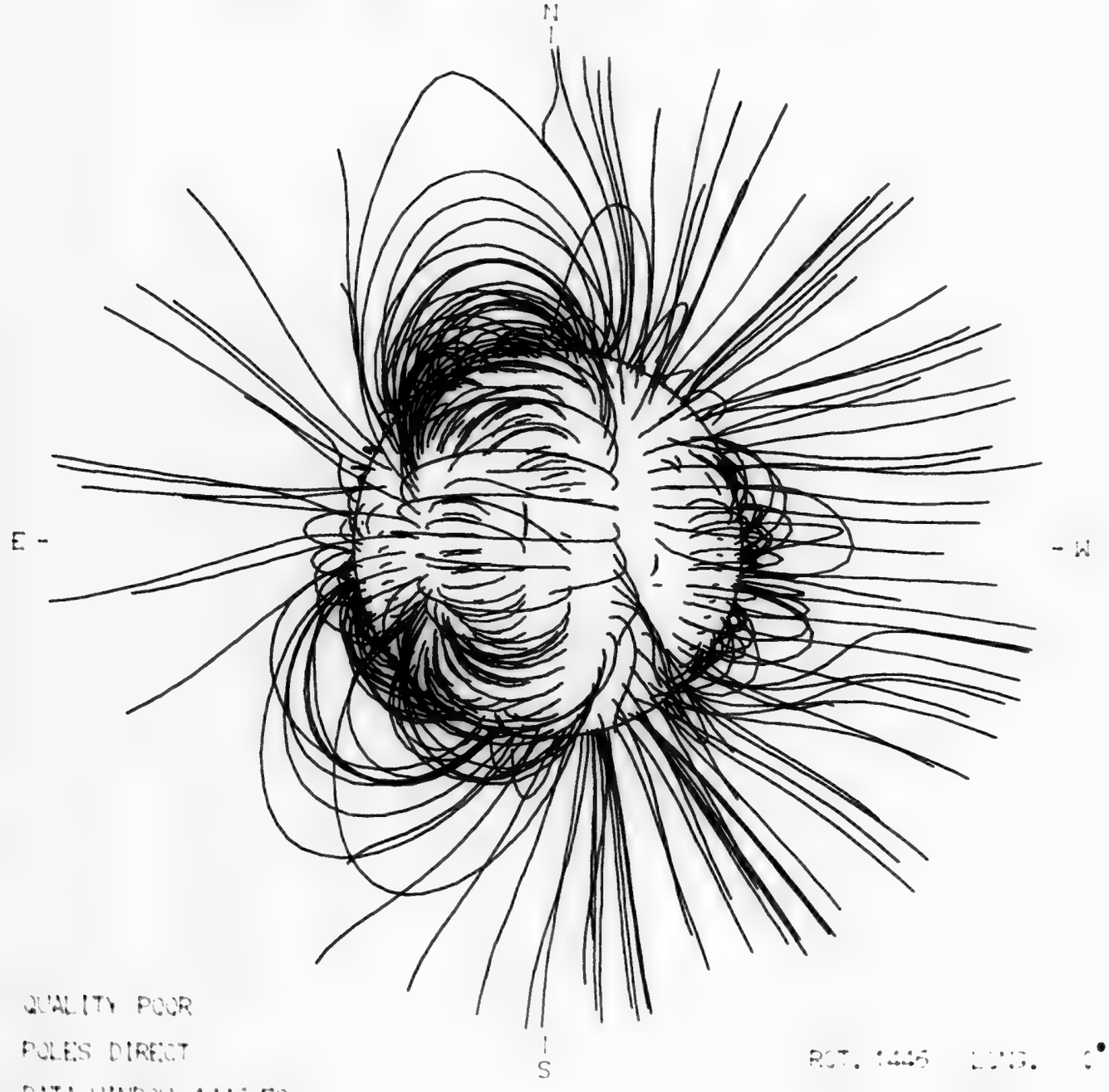
POLES DIRECT

DATA WINDOW 1446.5B

ROT. 1446 LONG. [illegible]°

3.1 NOV 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

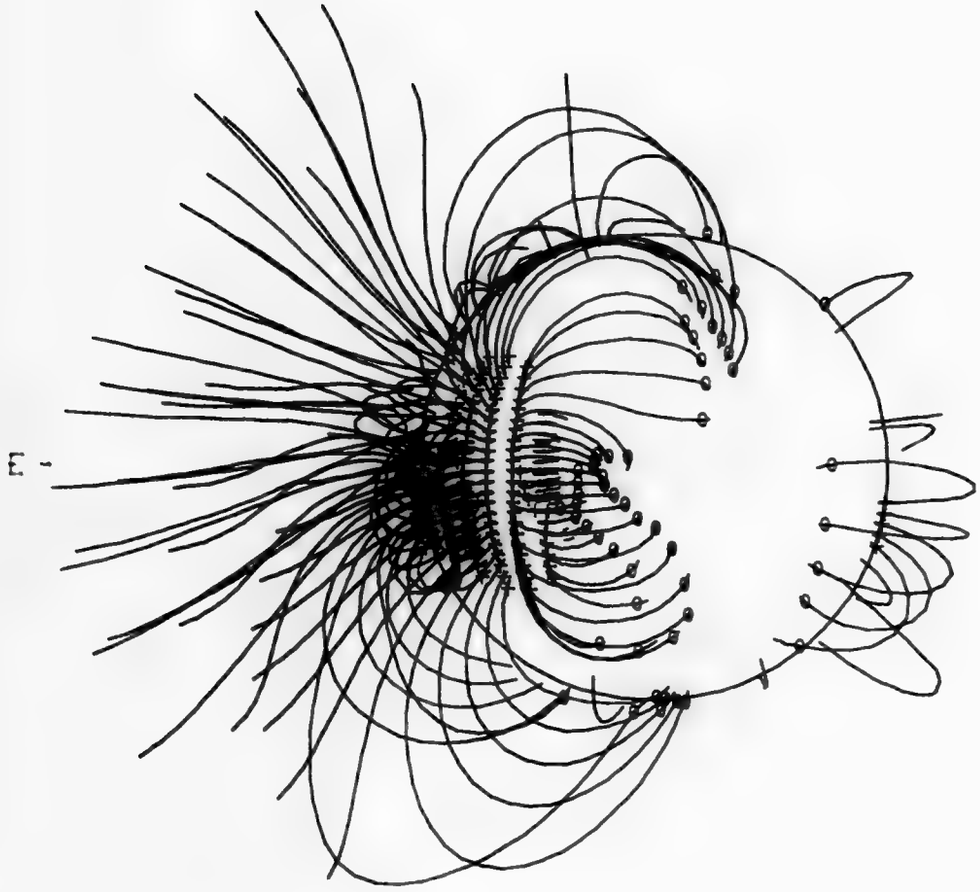
DATA WINDOW 1446.58

ROT. 1445 [illegible]

3.8 [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

QUALITY POOR

POLES DIRECT

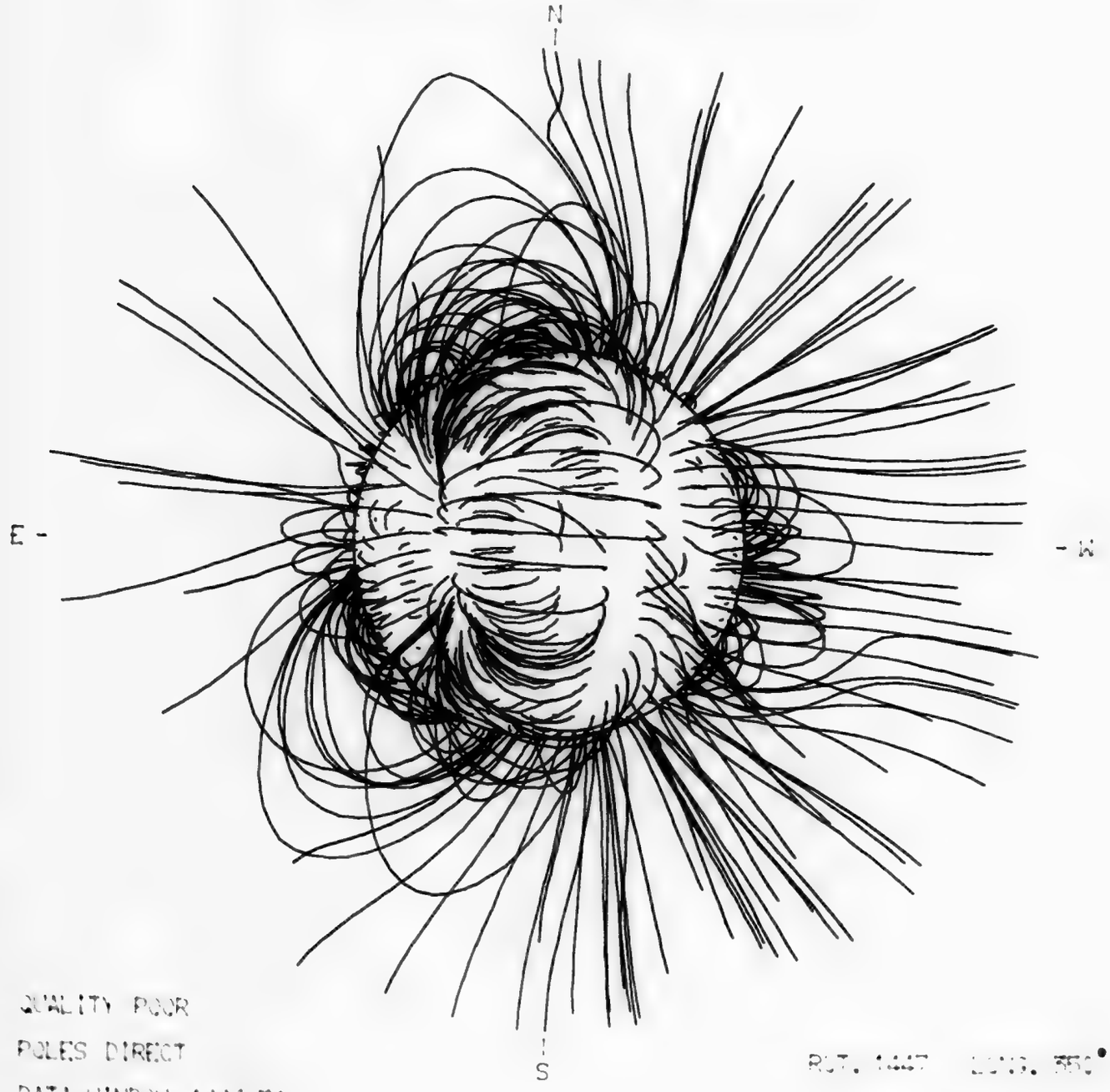
DATA WINDOW 1446.58

S

ROT. 1446 LONG. 0°

3.8 NOV 1951

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

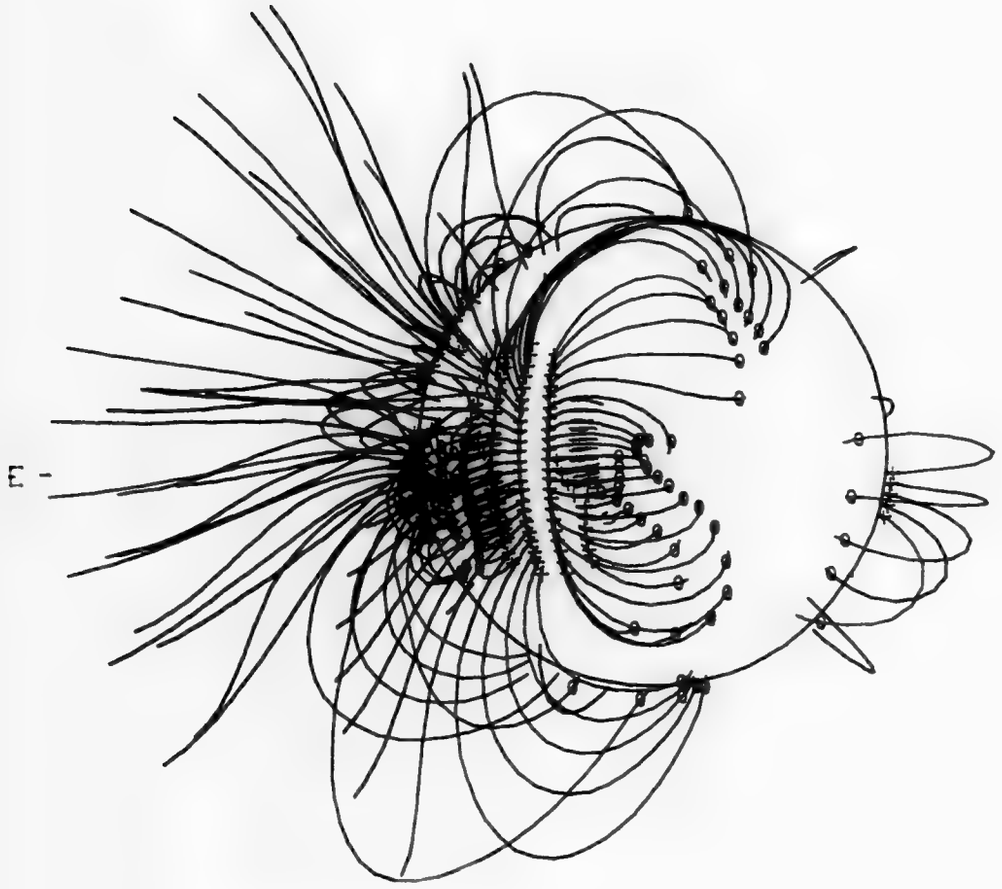
DATA WINDOW 1446,58

ROT. 1447 LONG. 35°

4.6 NOV 1951

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

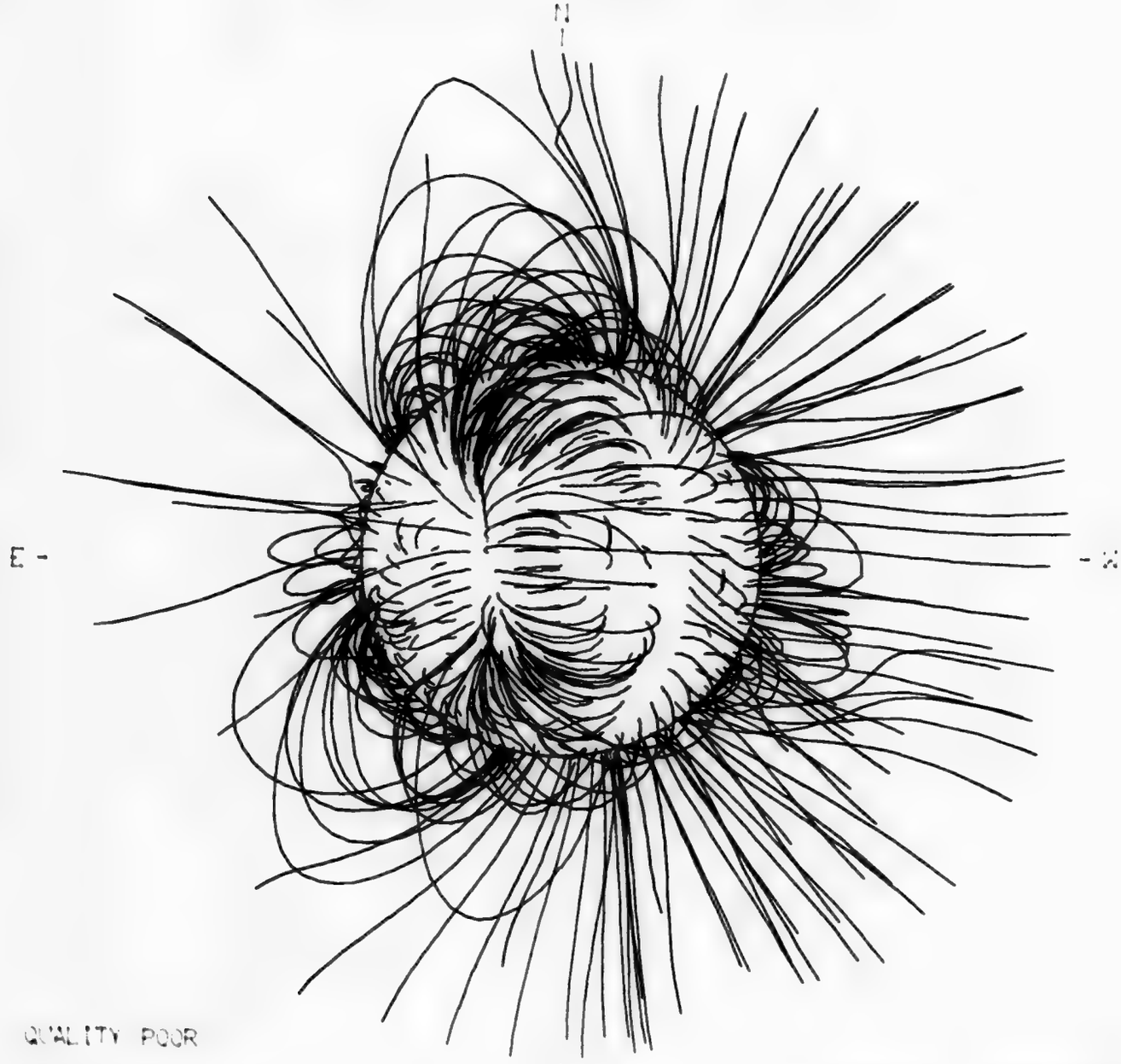
POLES DIRECT

DATA WINDOW 1446.58

R.T. 1447 LONG. 351°

4.6 NOV 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1446,58

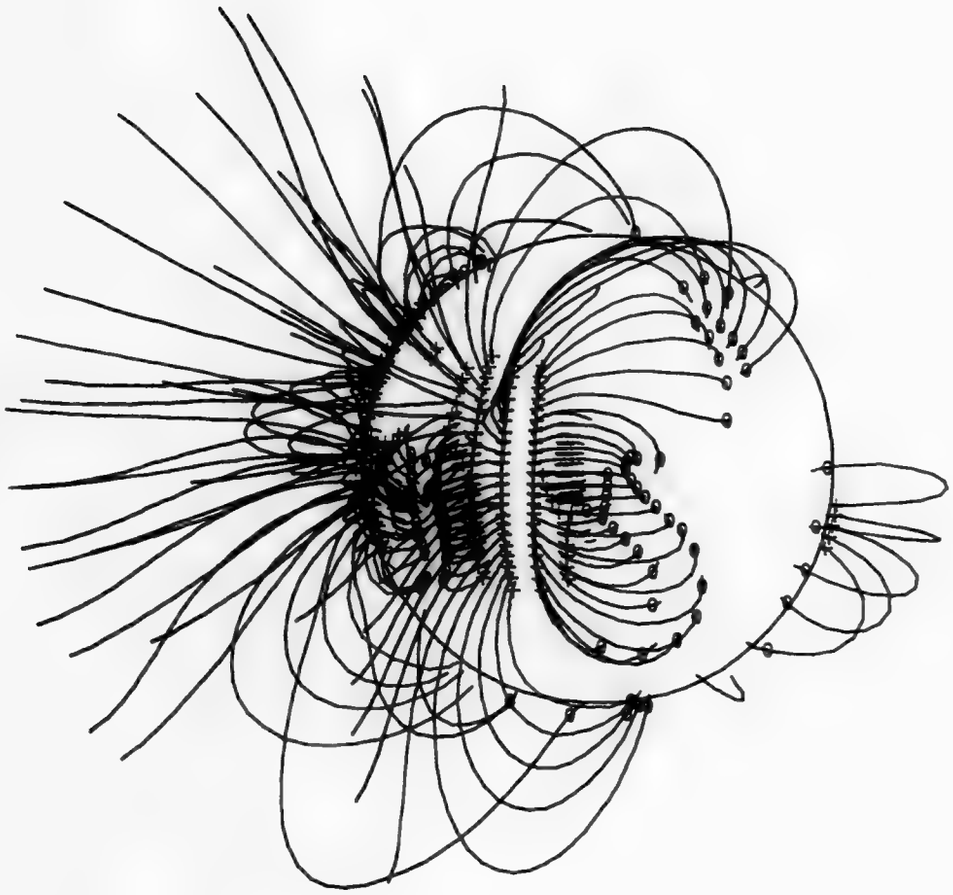
ROT. 1447 LONG. 341°

5.3 [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

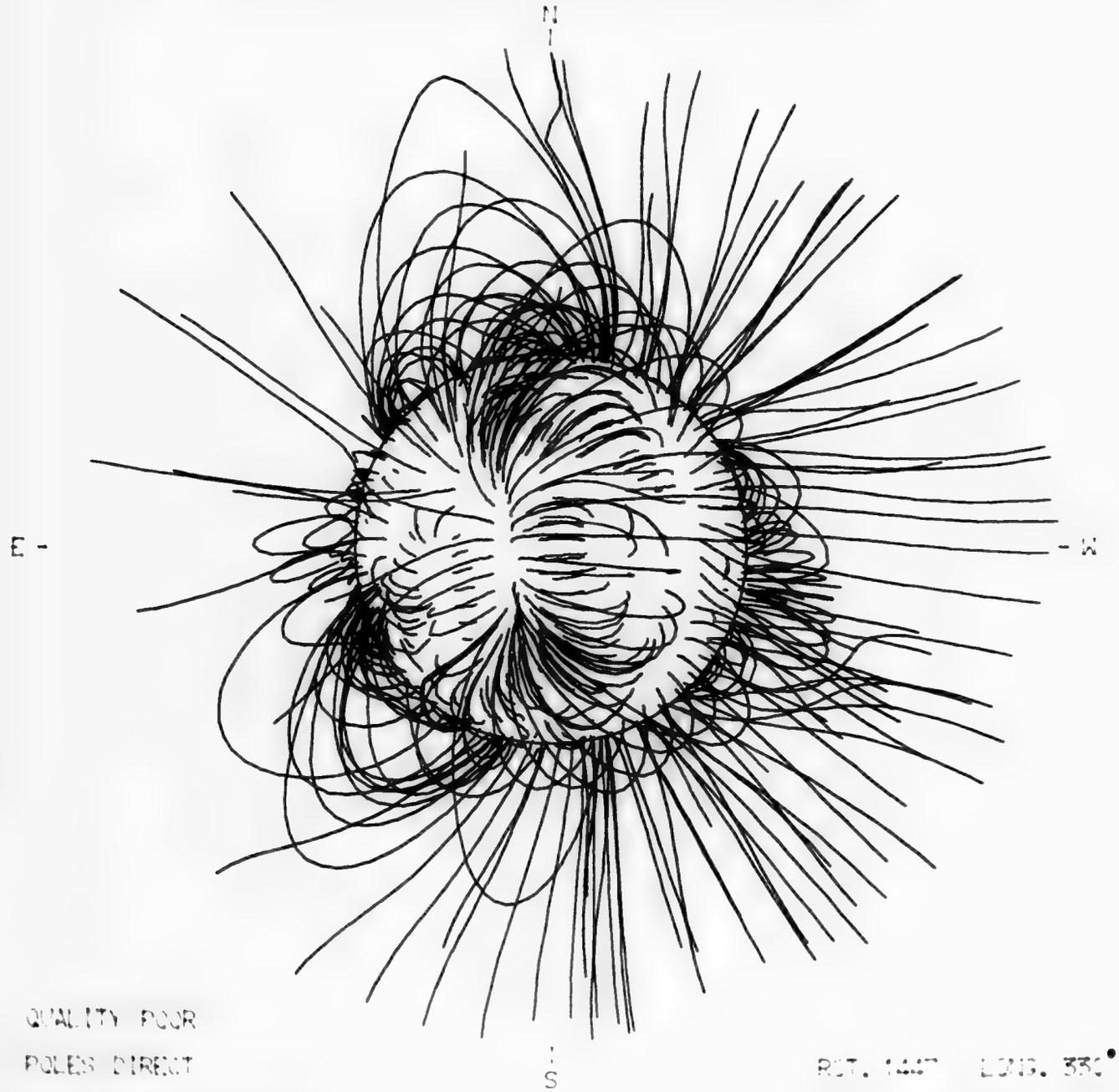
POLES DIRECT

DATA WINDOW 1446,58

ROT. 1447 LONG. 340°

5.3 [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

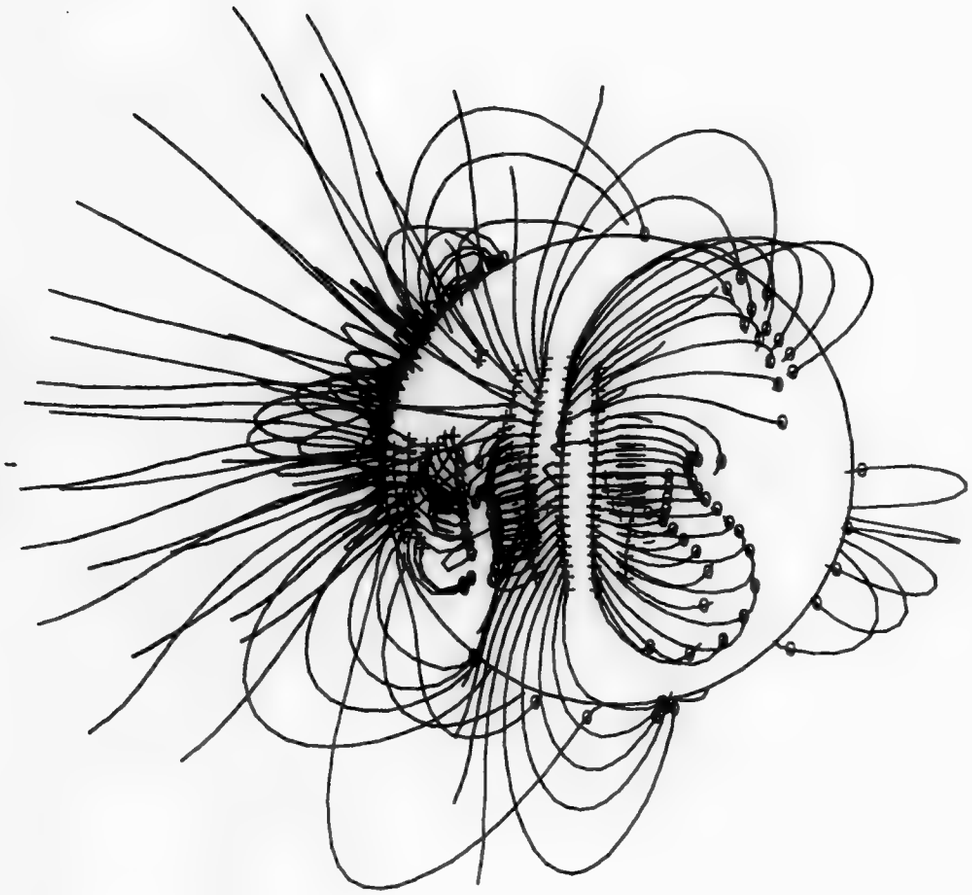
POLES DIRECT

DATA WINDOW 1436,58

ROT. 1447 LONG. 336°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

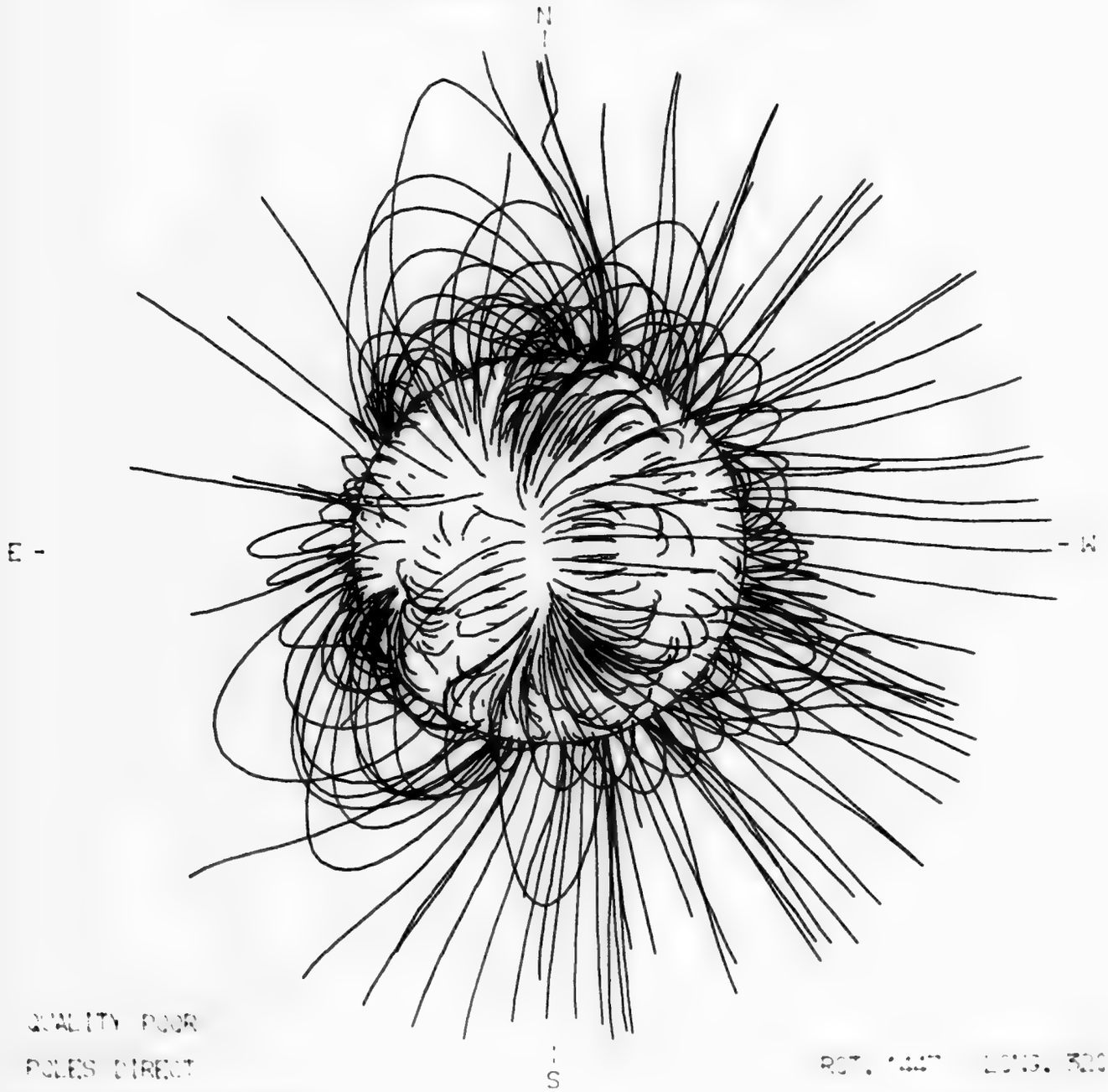
POLES DIRECT

DATA WINDOW 1.1/6.58

R.T. 1447 L.N.G. 330°

6.1 NOV 1951

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

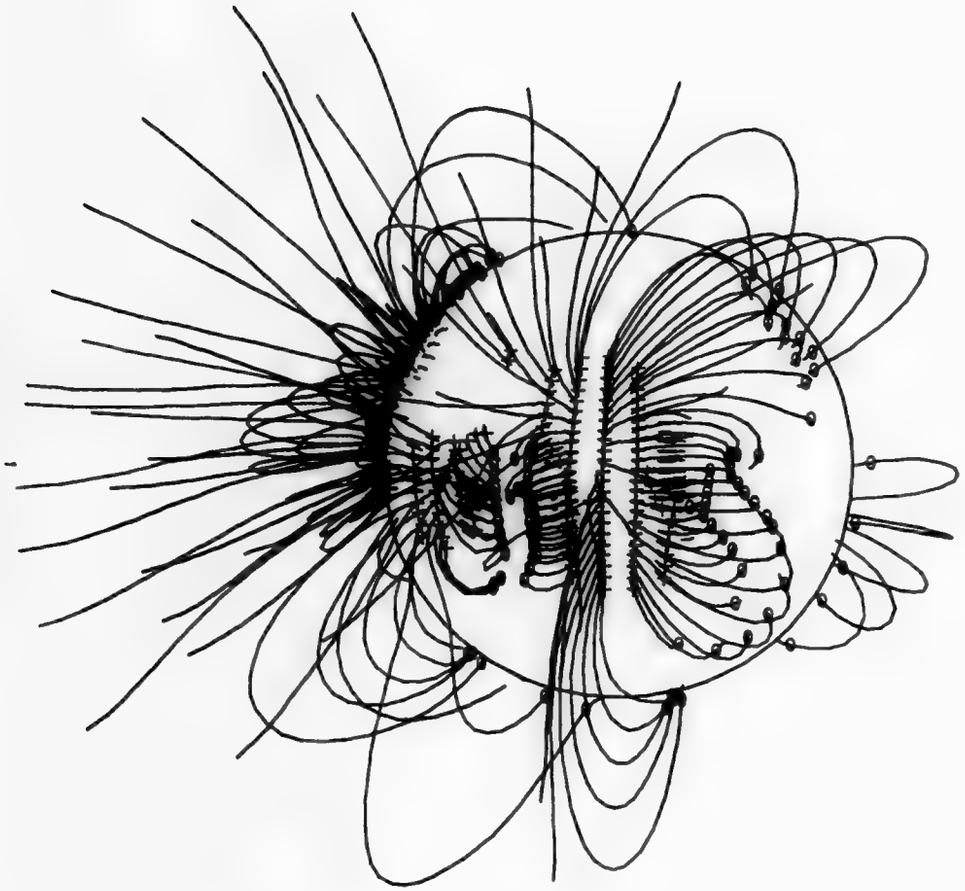
DATA WINDOW 1446.58

ROT. 1447 LONG. 320°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

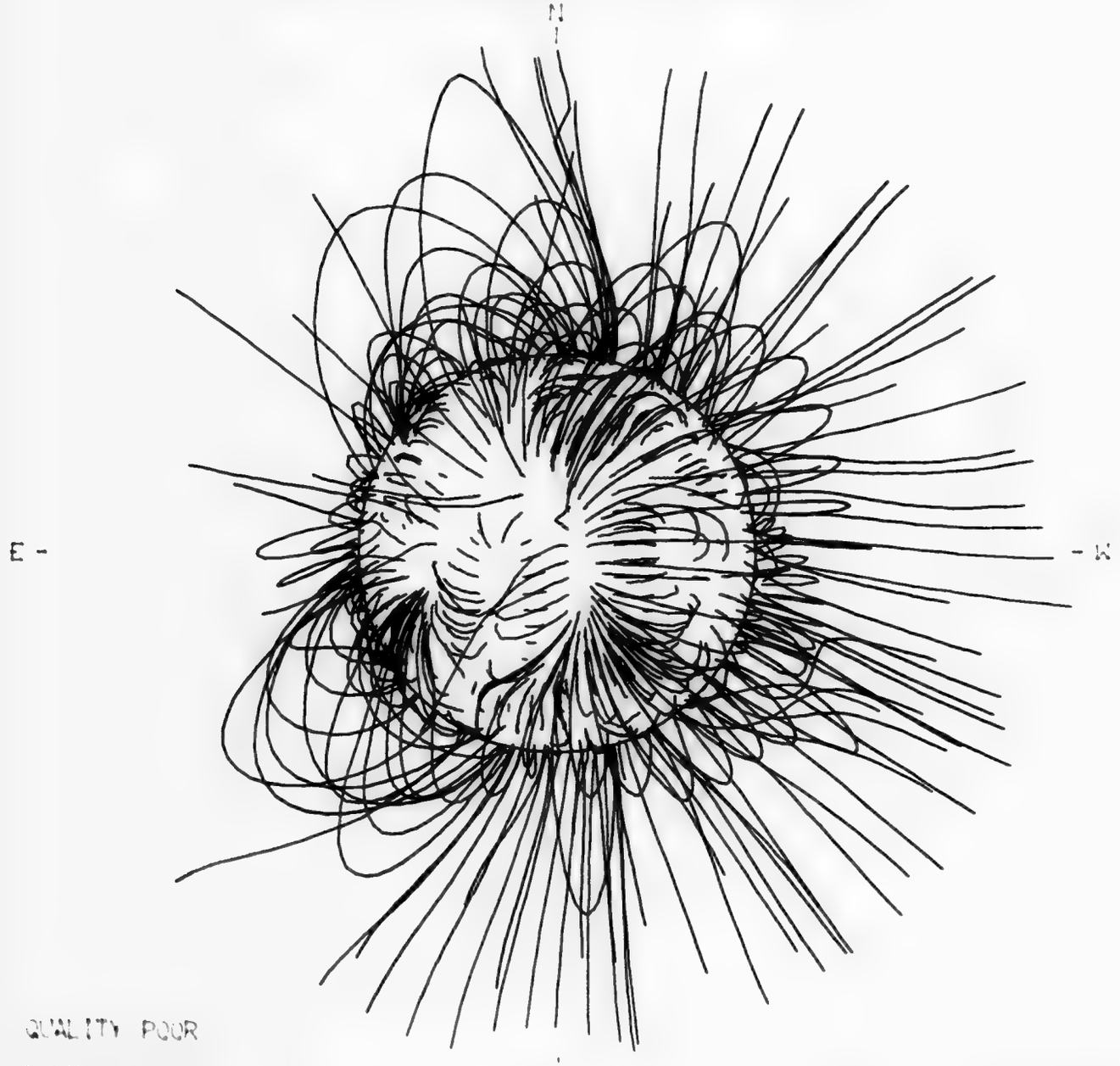
POLES DIRECT

DATA WINDOW 1446.58

R.T. 1447 L.T.S. 320°

6.9 "L.T. "25"

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.1.86.58

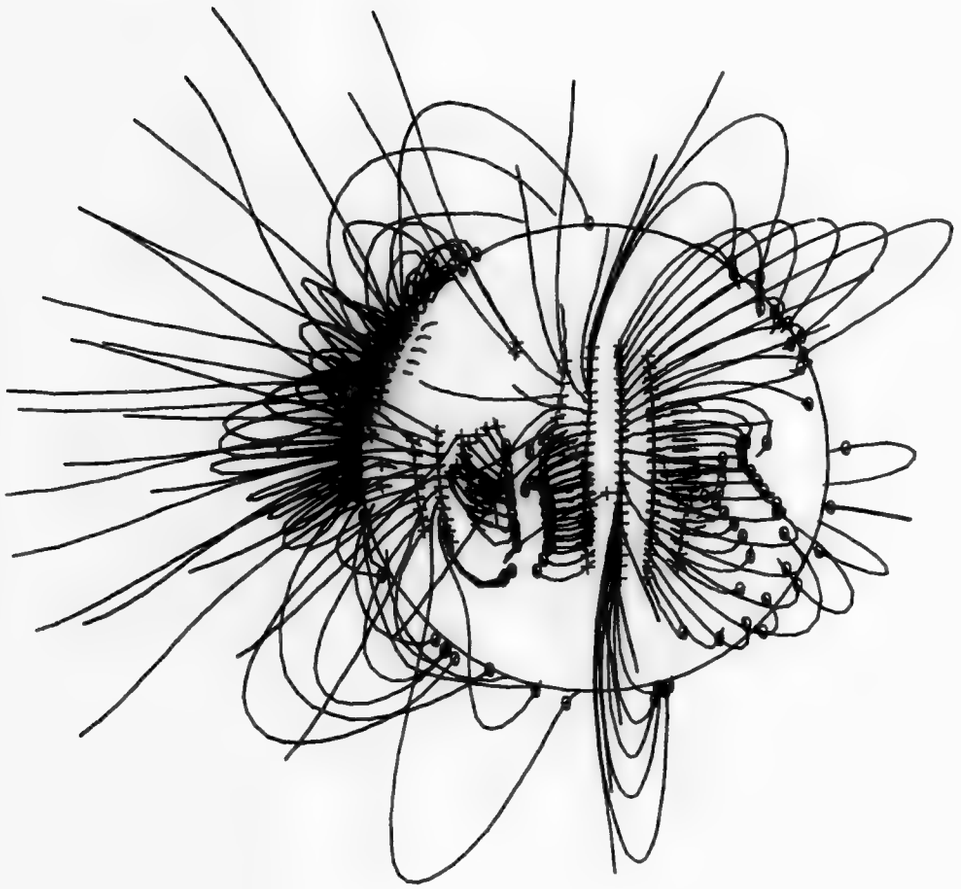
ROT. 1447 LONG. 3°.0

7.6 11.1 1.6°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

QUALITY POOR

POLES DIRECT

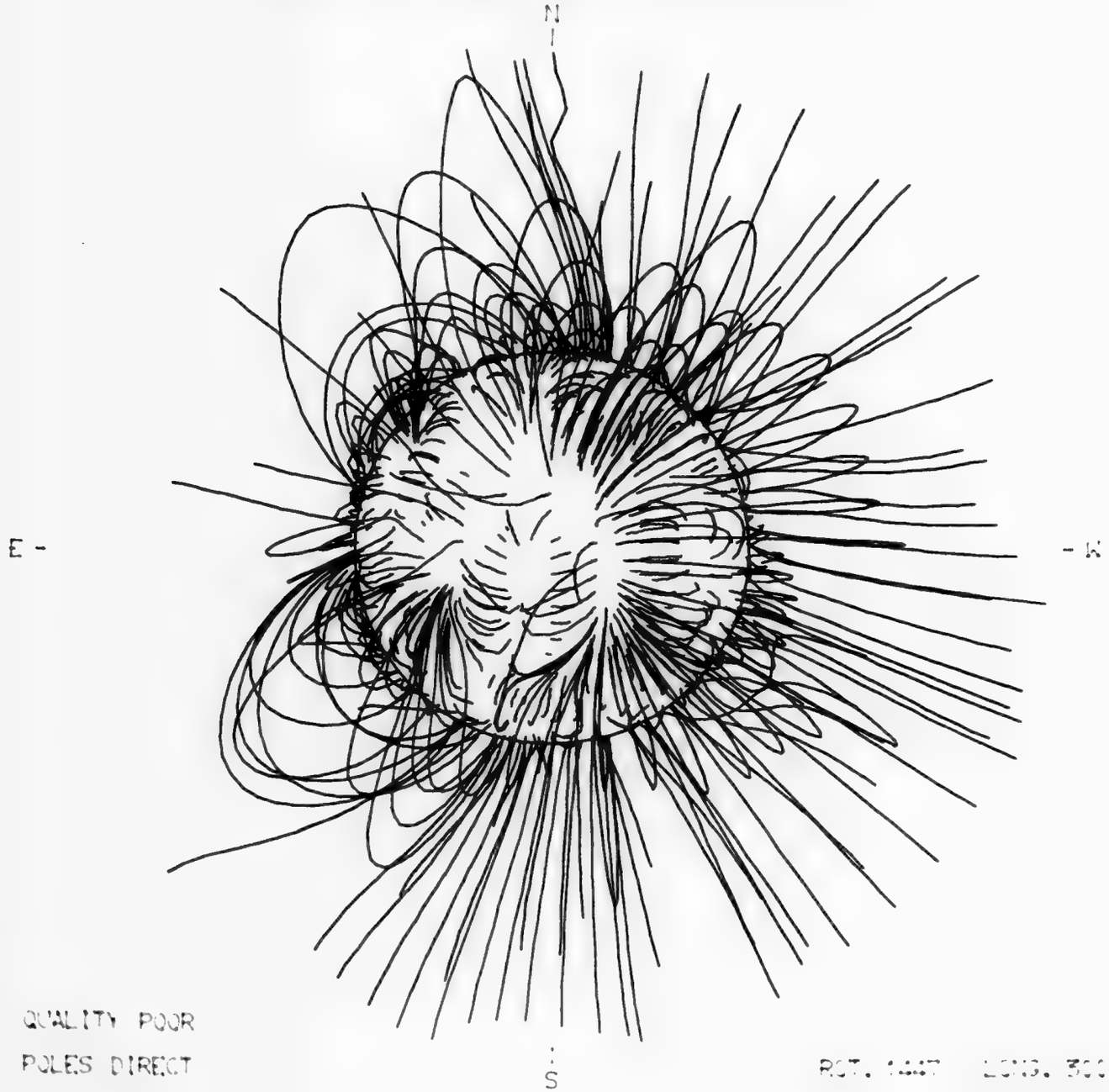
DATA WINDOW 1446.58

S

ROT. 1447 LONG. 31°

7.5 NOV 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1446.58

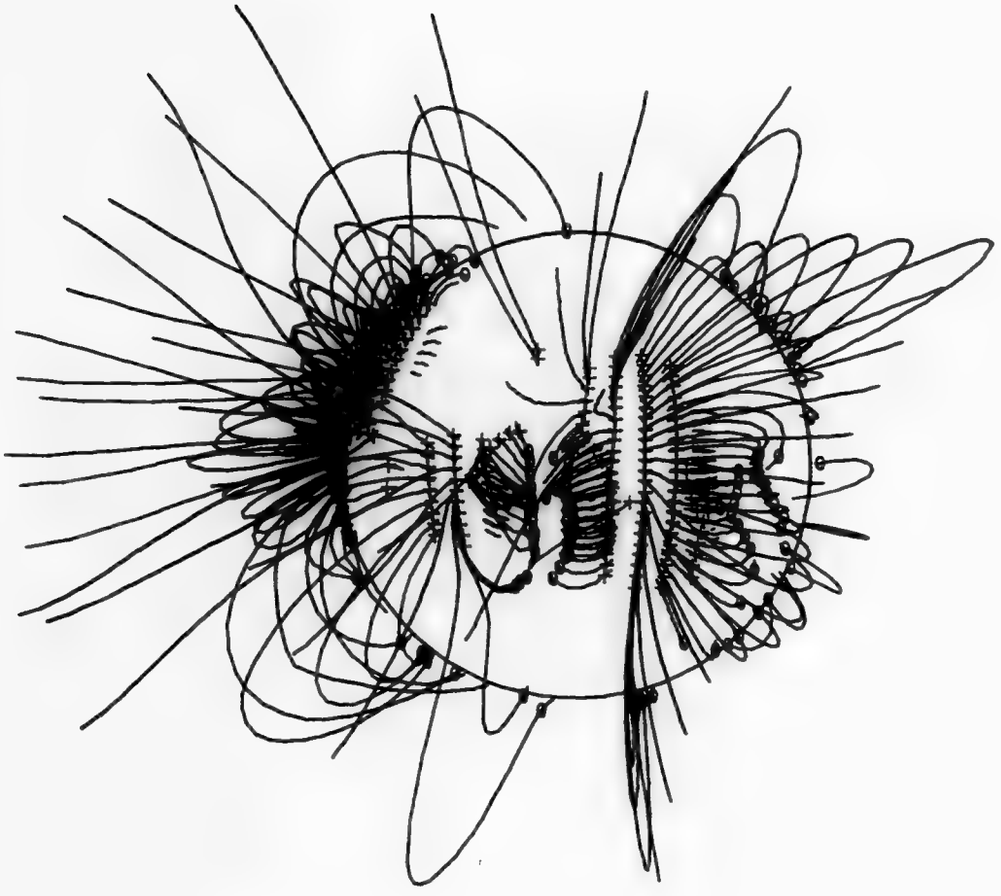
ROT. 1447 LONG. 301°

B.0 NO. 45°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

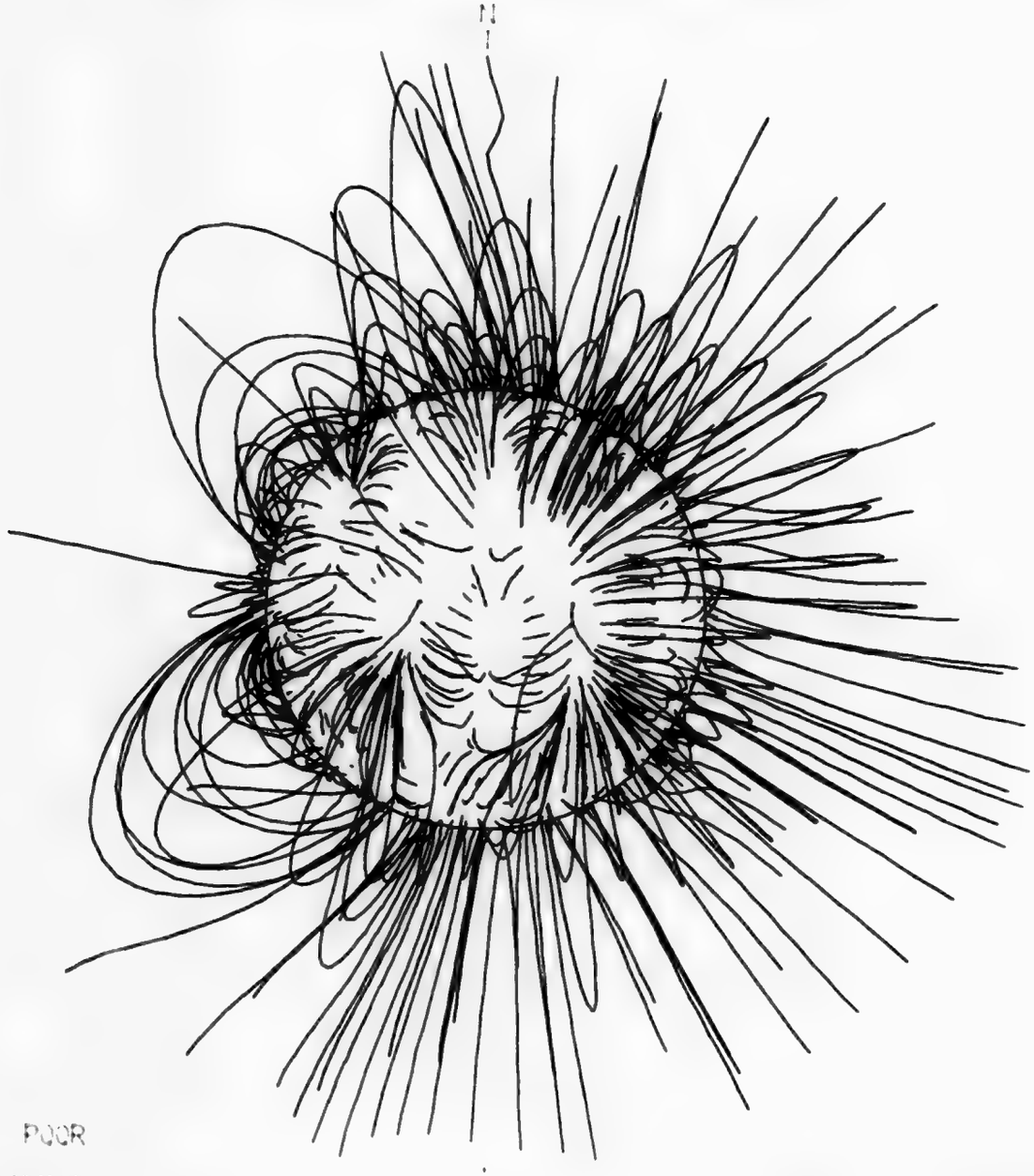
POLES DIRECT

DATA WINDOW 1446.58

R.T. 1447 L.O.S. 3[illegible]°

B.A [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

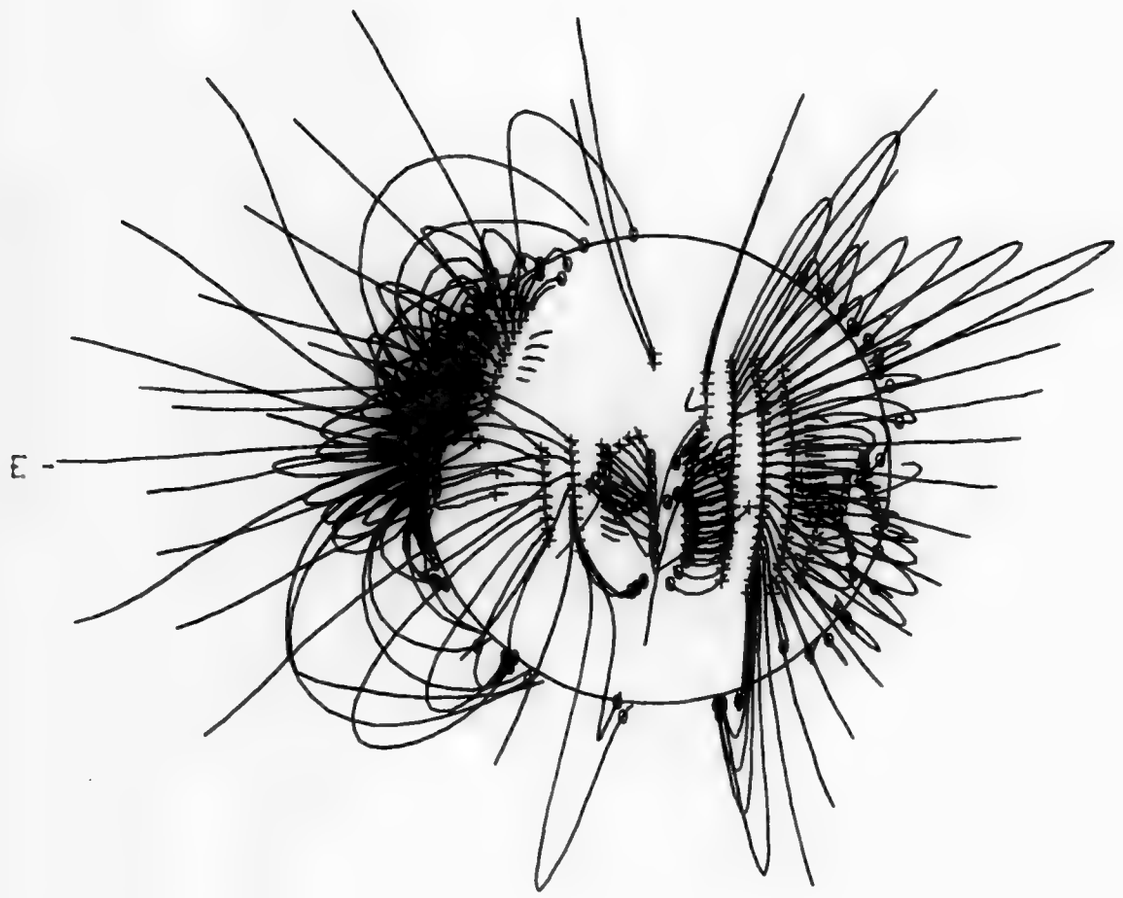
DATA WINDOW 1.0,6.58

ROT. 1447 2313.250°

0.0 10.0 1.25°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E

W

S

QUALITY POOR

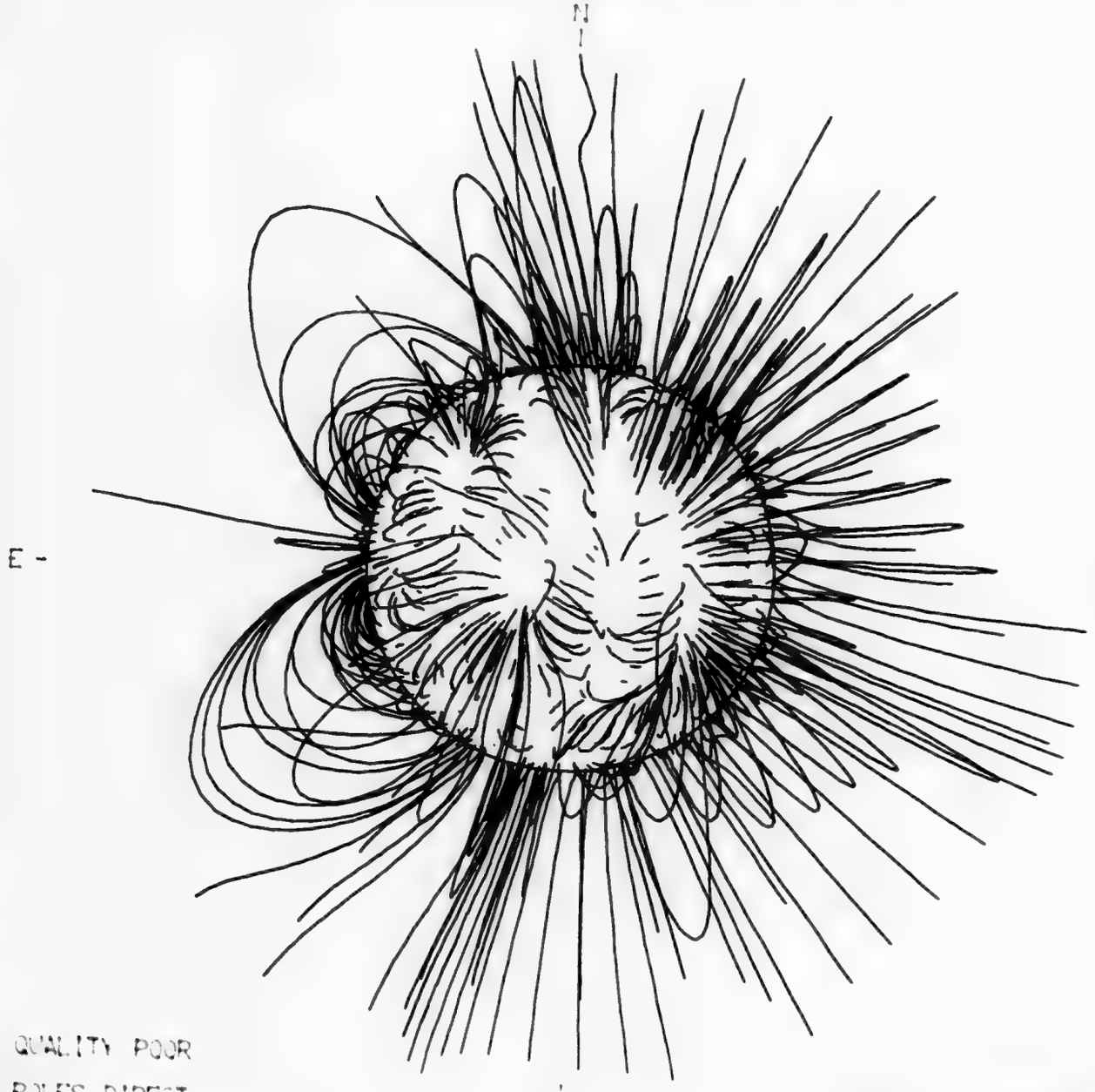
POLES DIRECT

DATA WINDOW 1.0:6.58

ROT. 1447 LONG. 290°

9.1 NOV '96

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1436,58

ROT. 1447 LONG. 240°

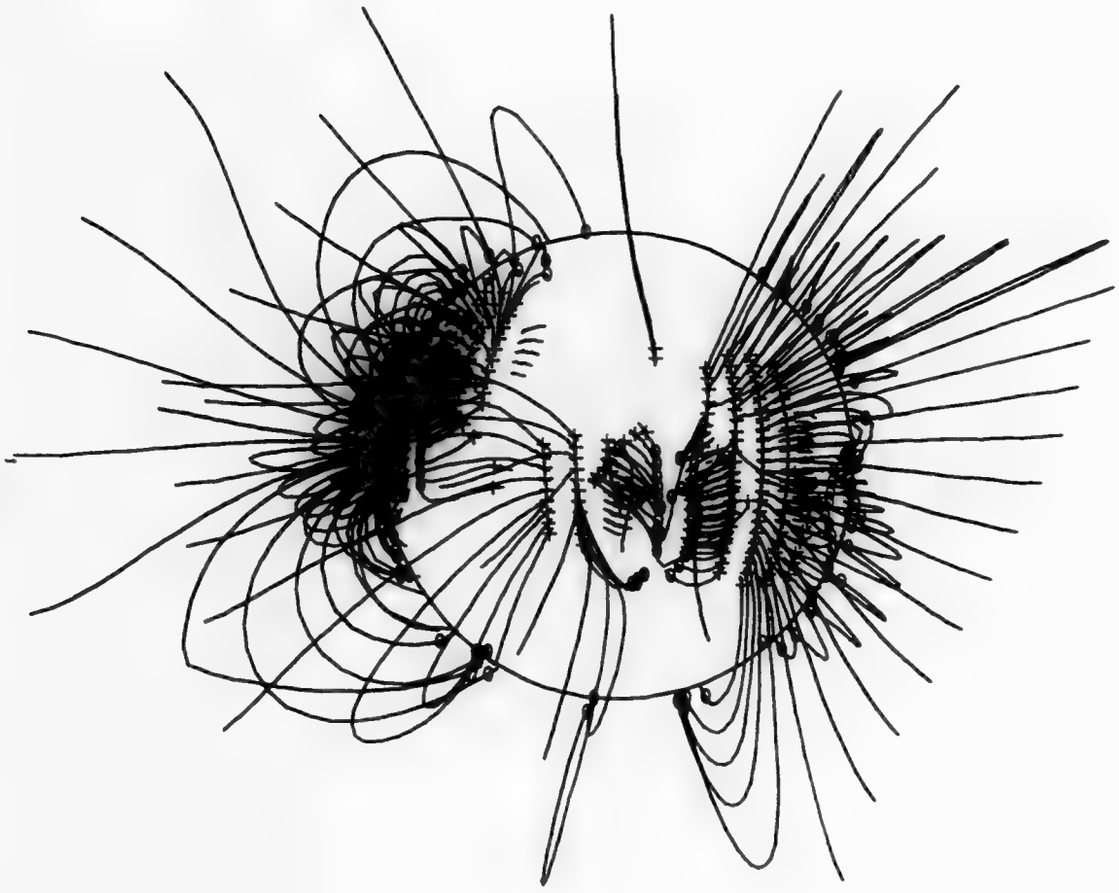
[illegible] 165°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E

W



S

QUALITY POOR

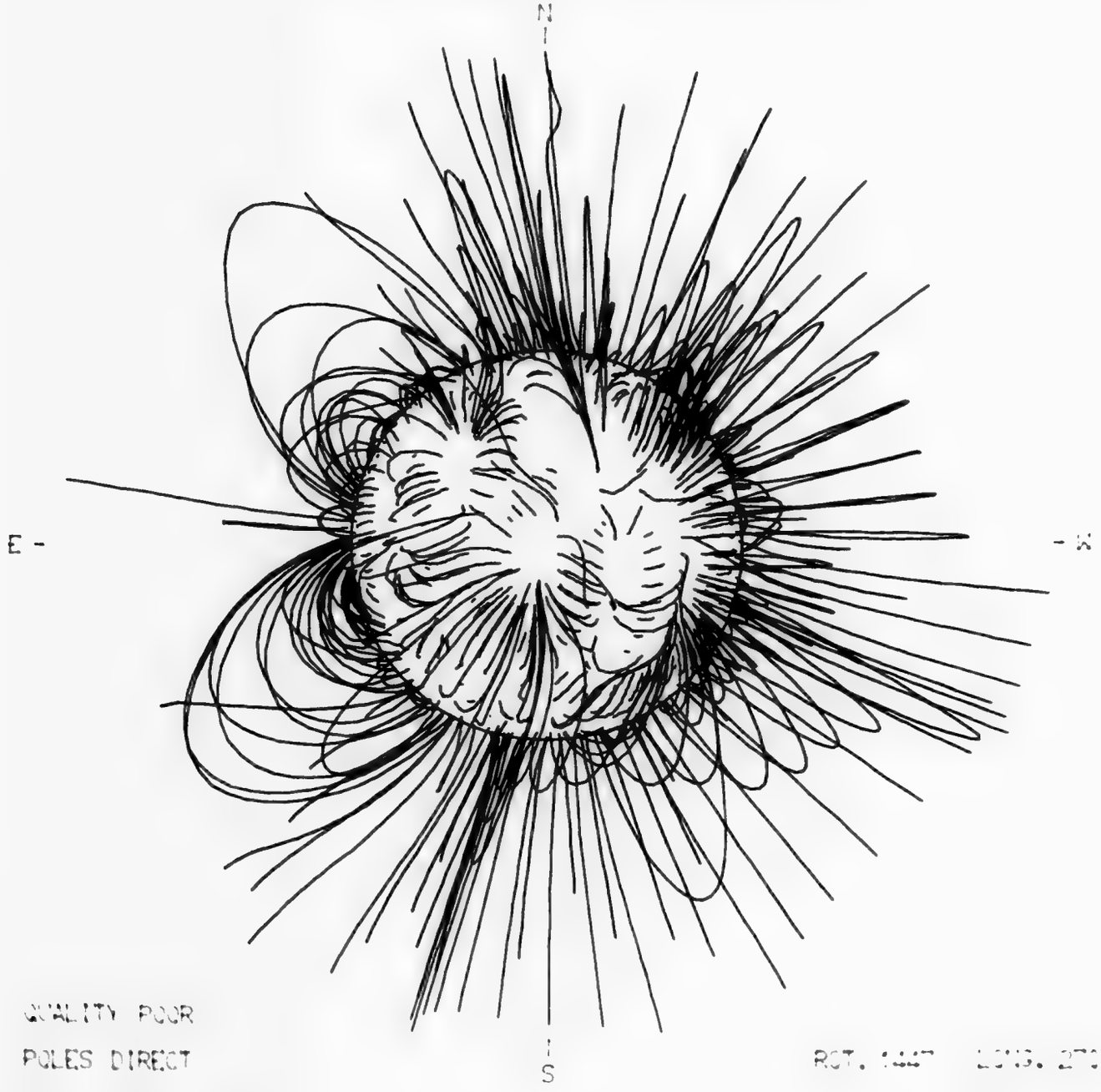
POLES DIRECT

DATA WINDOW 1446.58

ROT. 1447 LONG. 281°

9.9 [illegible] 95°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.1.6.58

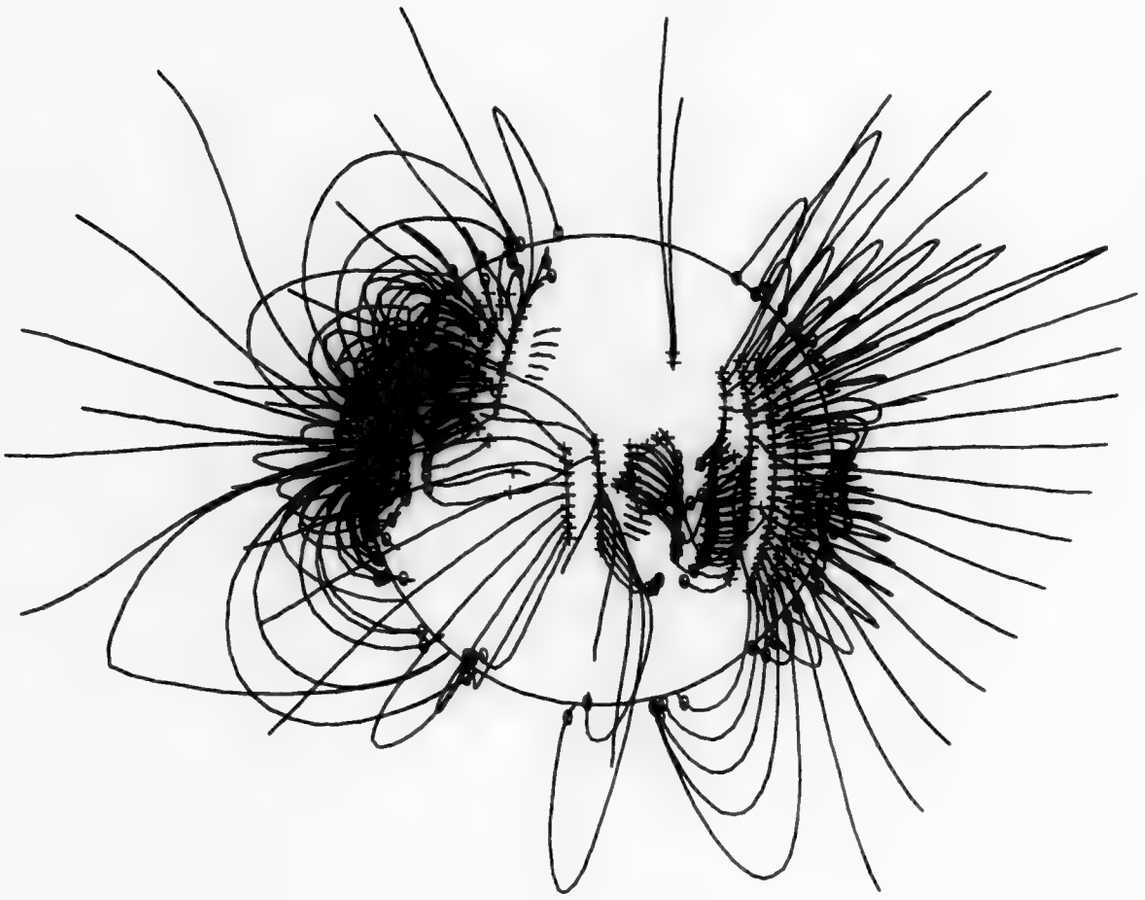
ROT. 1447 LONG. 27°

10.5 10.1 96°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

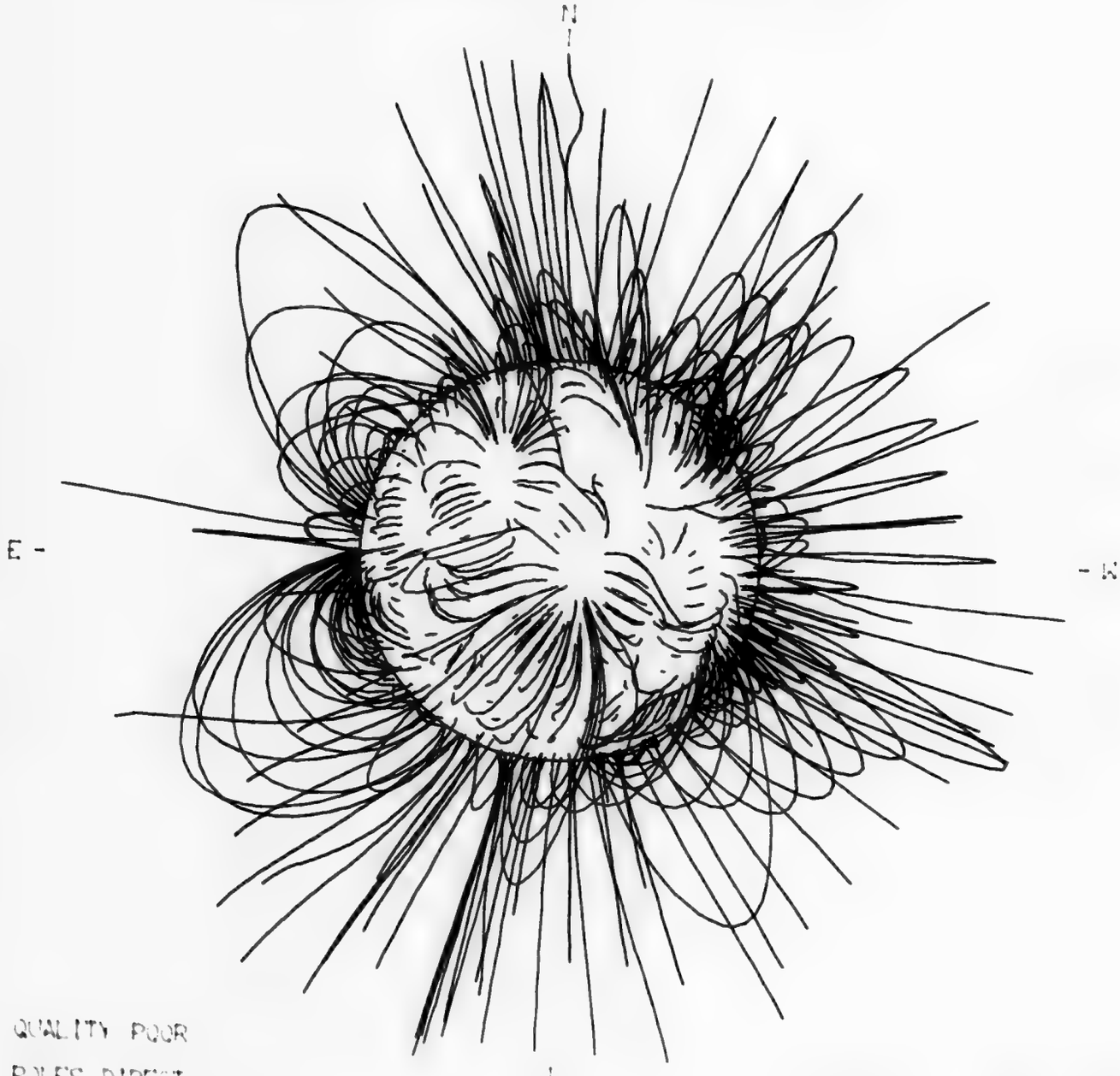
POLES DIRECT

DATA WINDOW 1446,58

ROT. 1447 [illegible]°

10.6 [illegible]°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.0,6.58

ROT. 1447 2313. 25[illegible]°

[illegible] 1951

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

QUALITY POOR

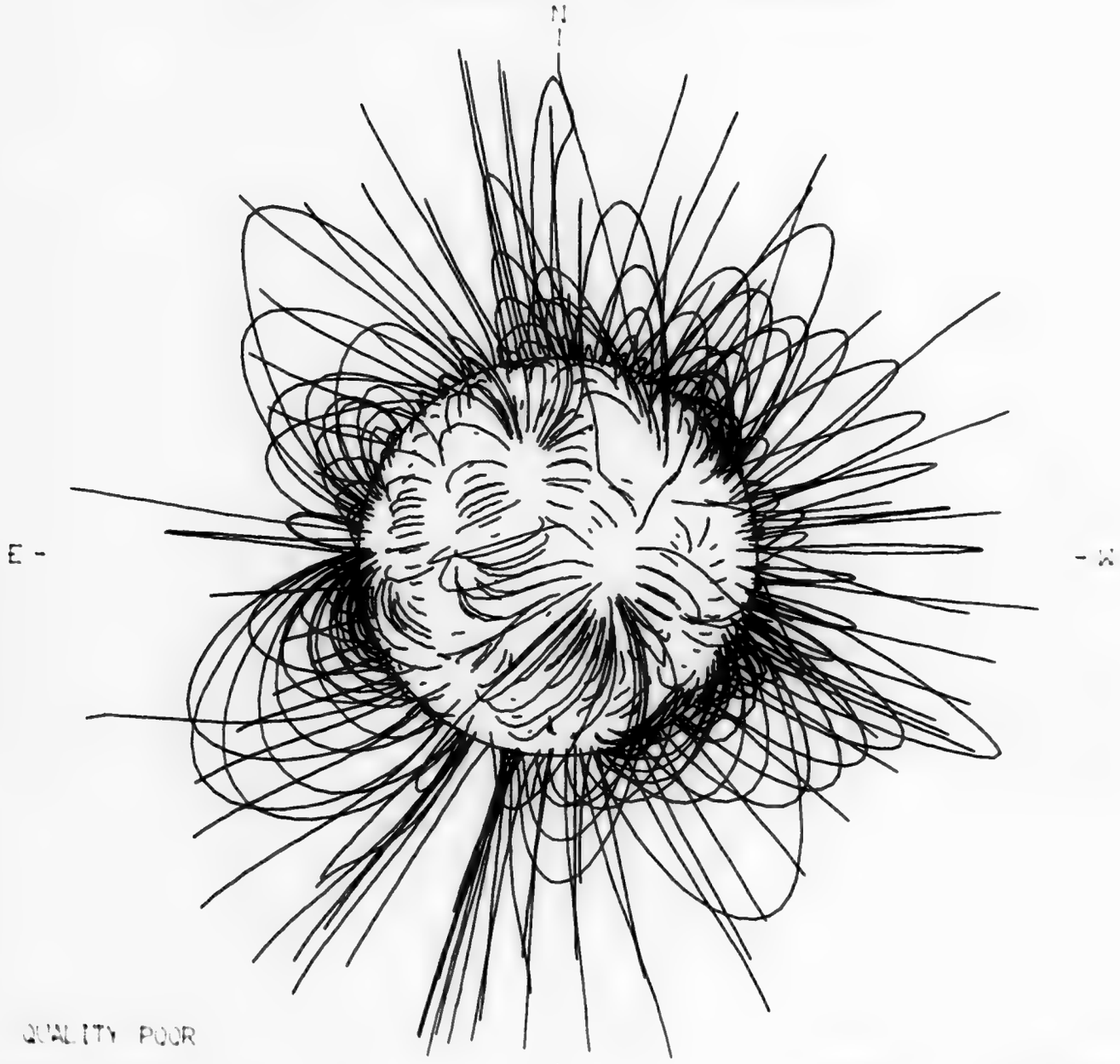
POLES DIRECT

DATA WINDOW 1446,58

ROT. 1447 LONG. 295°

11.4 [illegible] 68°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1446,58

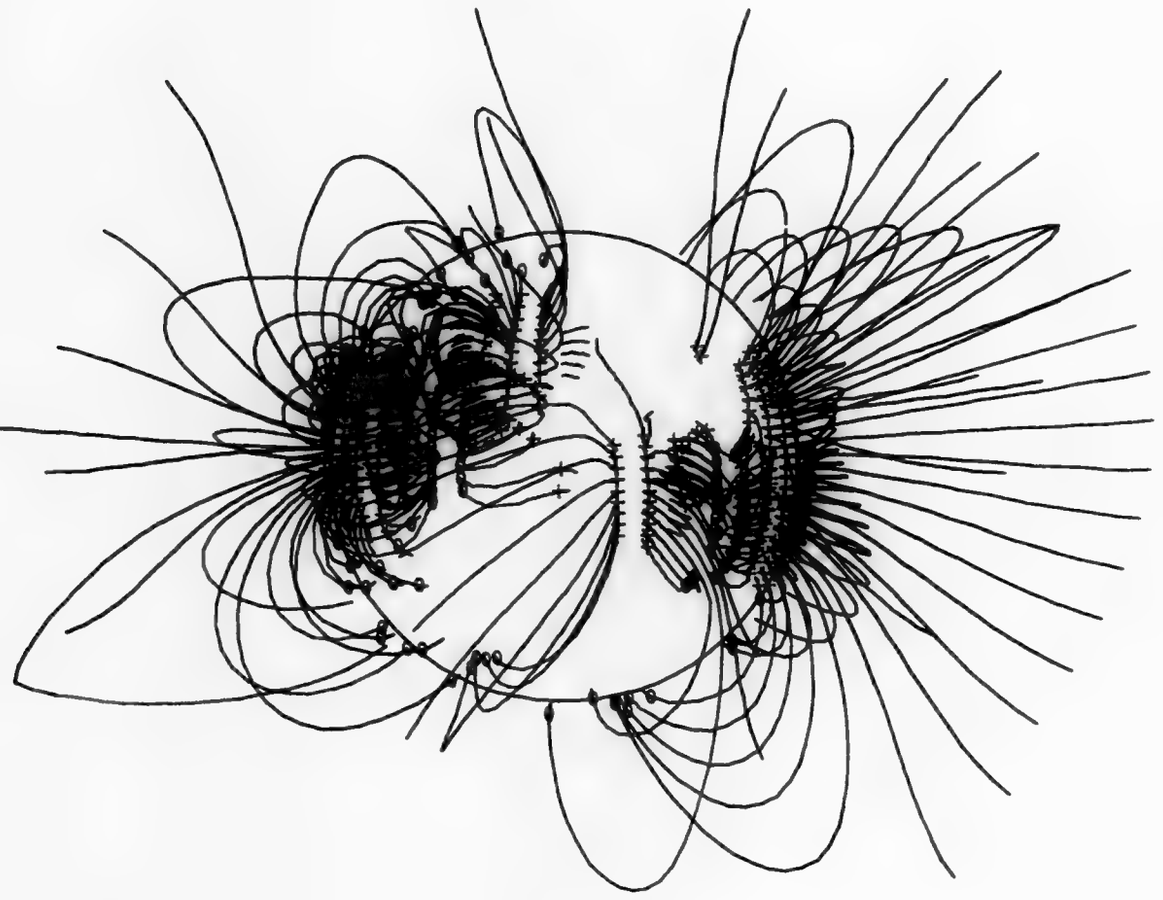
ROT. 1447 2013.255°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

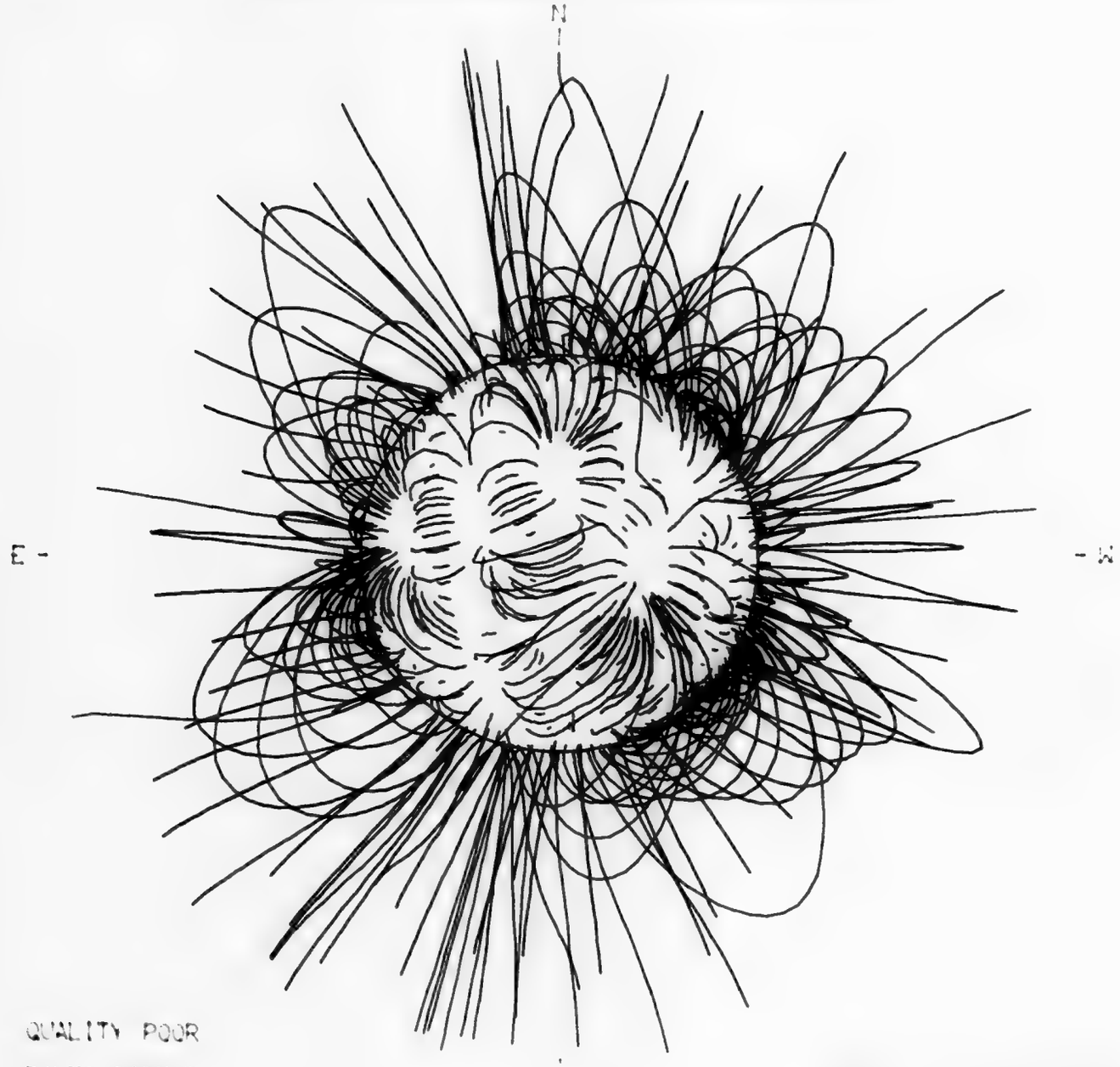
POLES DIRECT

DATA WINDOW 1446.58

R.T. 1447 L.O.S. 250°

12.2 H.L. 96°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

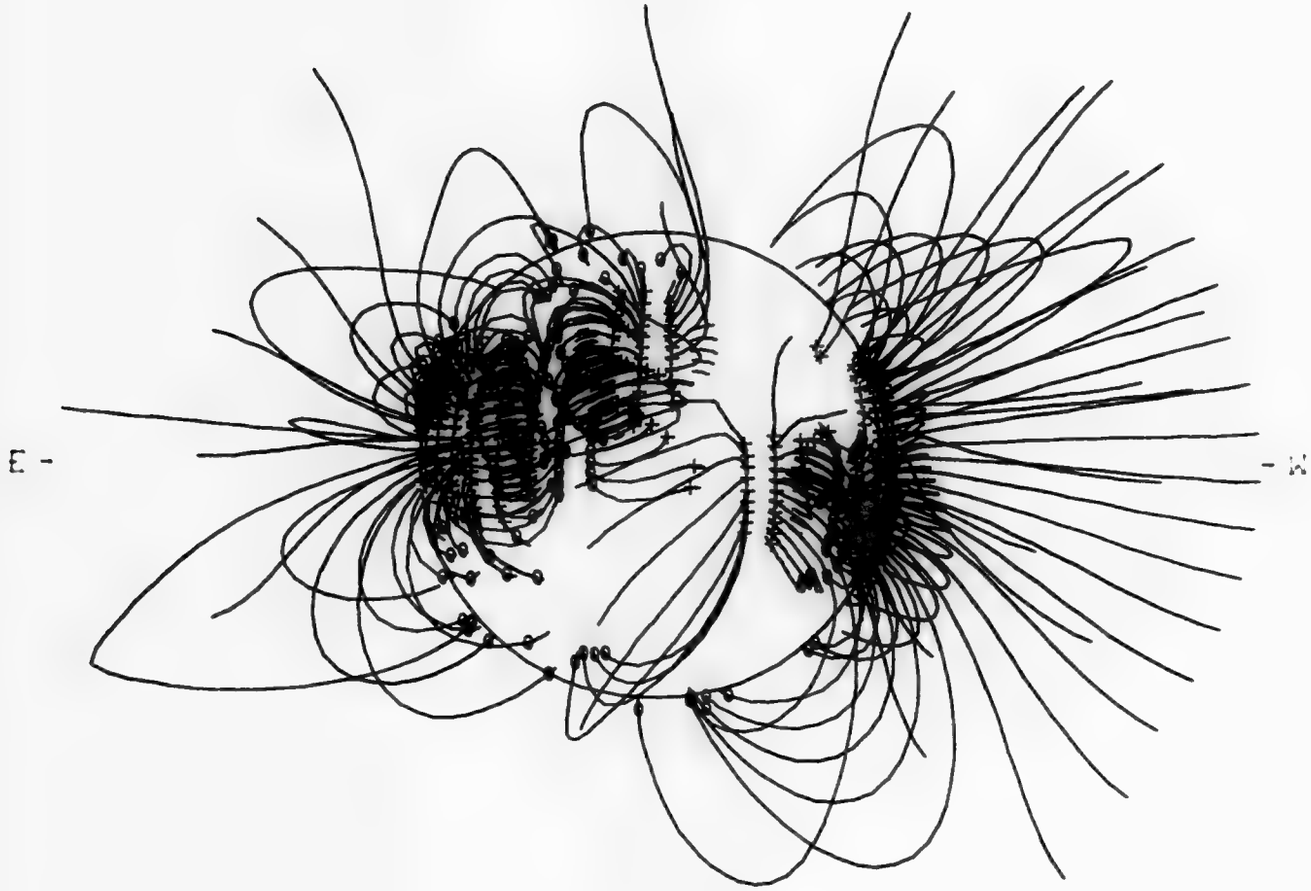
DATA WINDOW 1446.58

ROT. 1447 2013. 240°

12.5 10.1 1.65°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



QUALITY POOR

POLES DIRECT

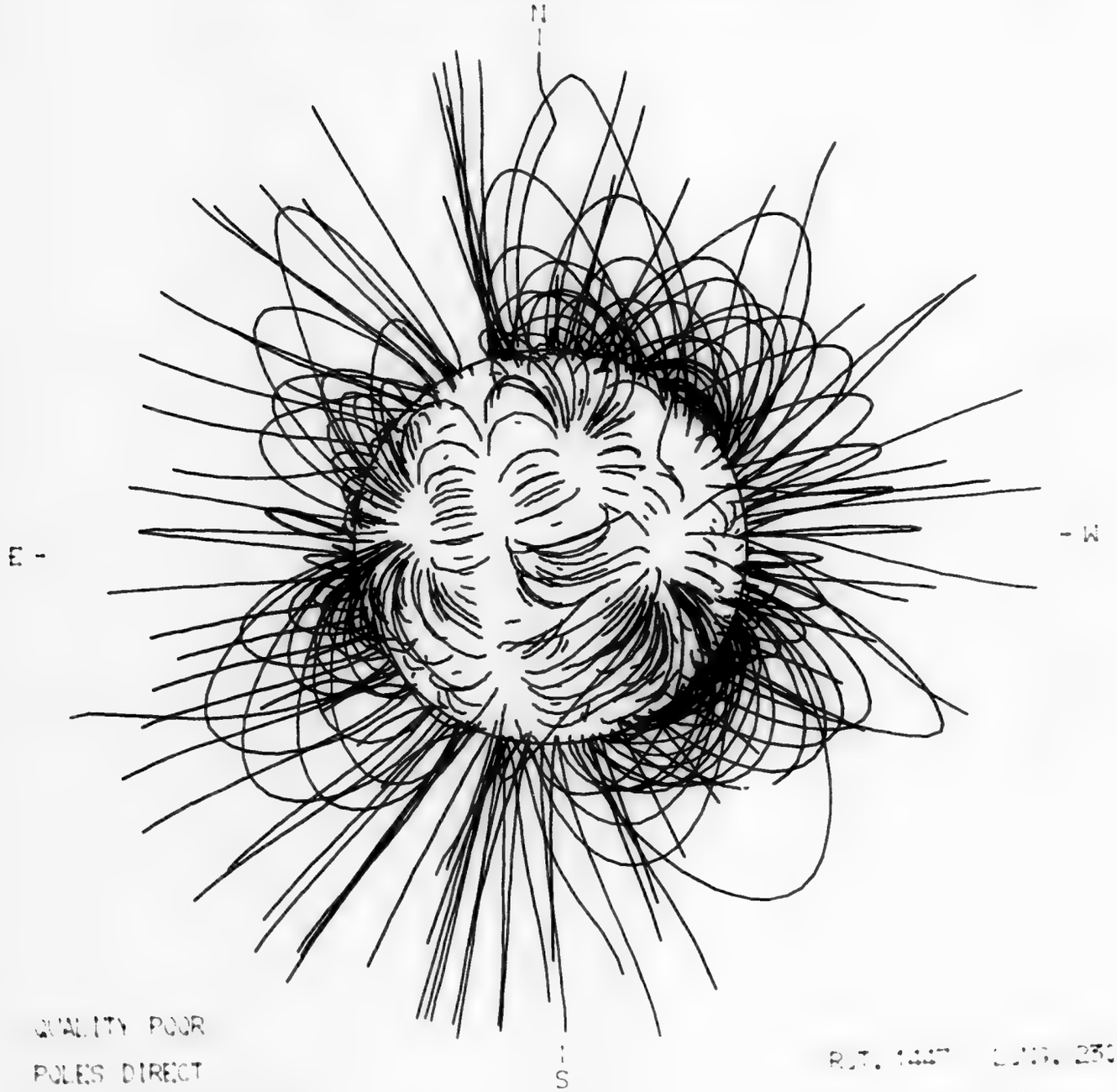
DATA WINDOW 1:46.58

S

ROT. [illegible] LONG. [illegible]°

[illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

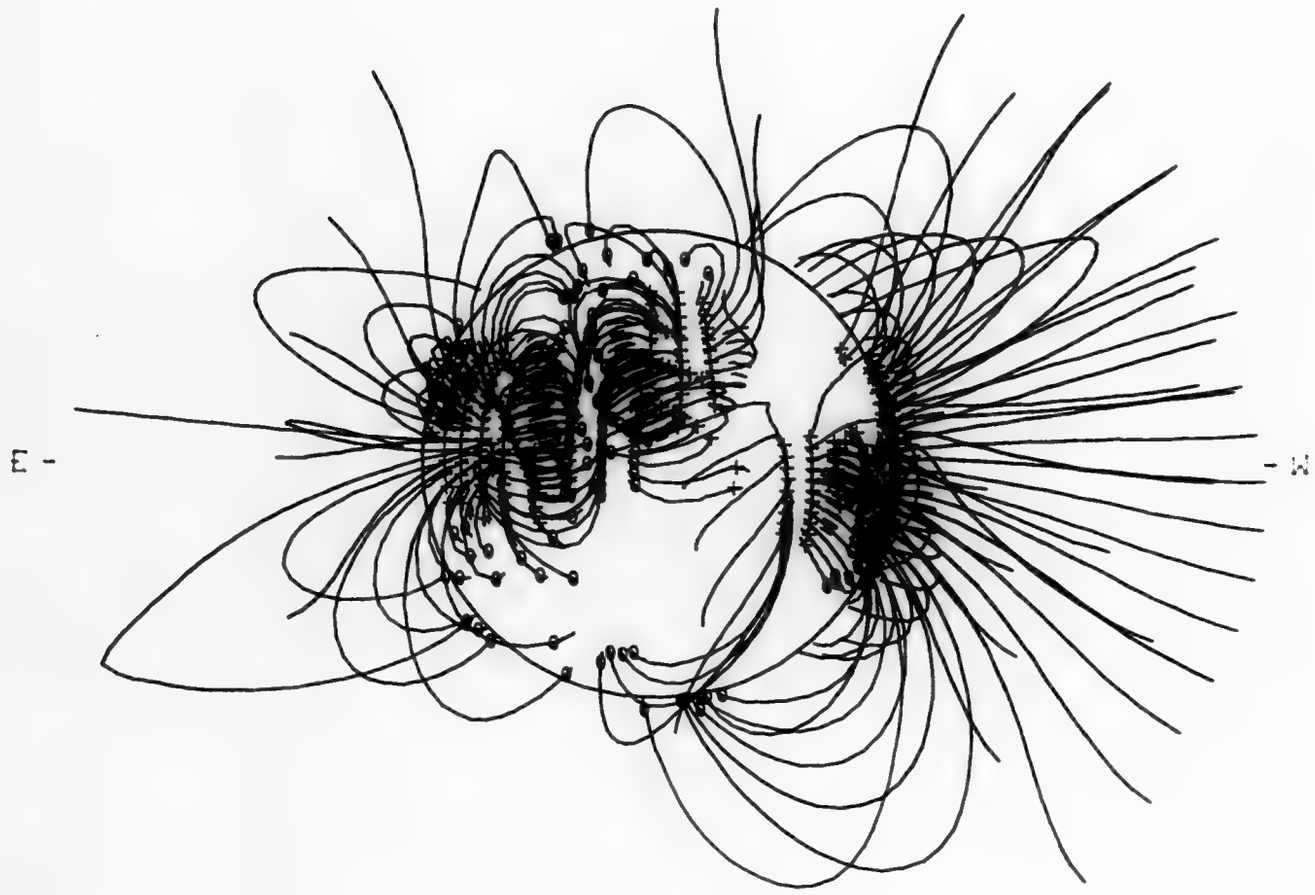
DATA WINDOW 1416.58

R.T. 1447 L.T.D. 230°

13.7 NOV 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



QUALITY POOR

POLES DIRECT

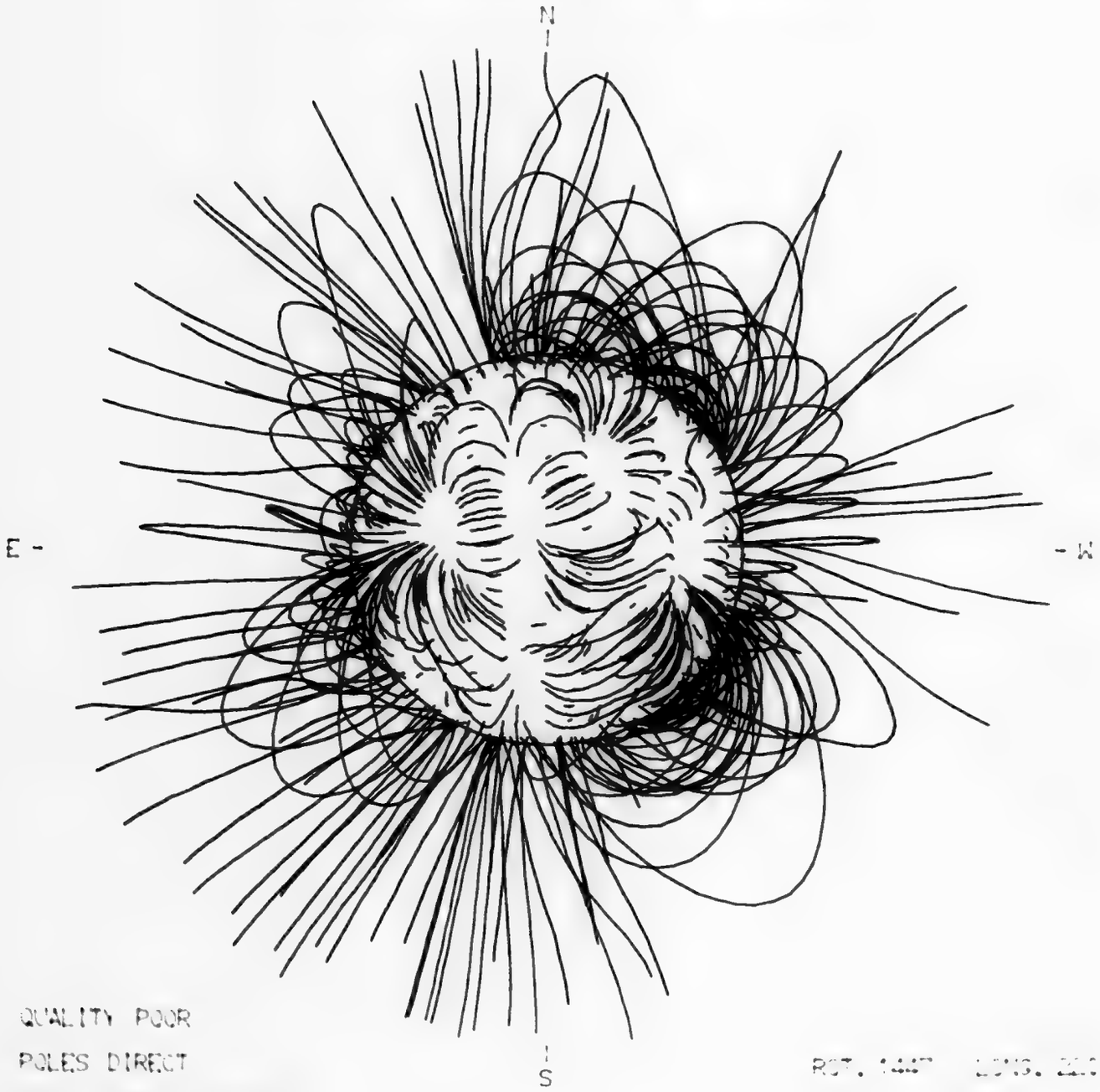
DATA WINDOW 1446.58

S

ROT. 1447 LONG. 230°

13.7 NO. 296°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1446,58

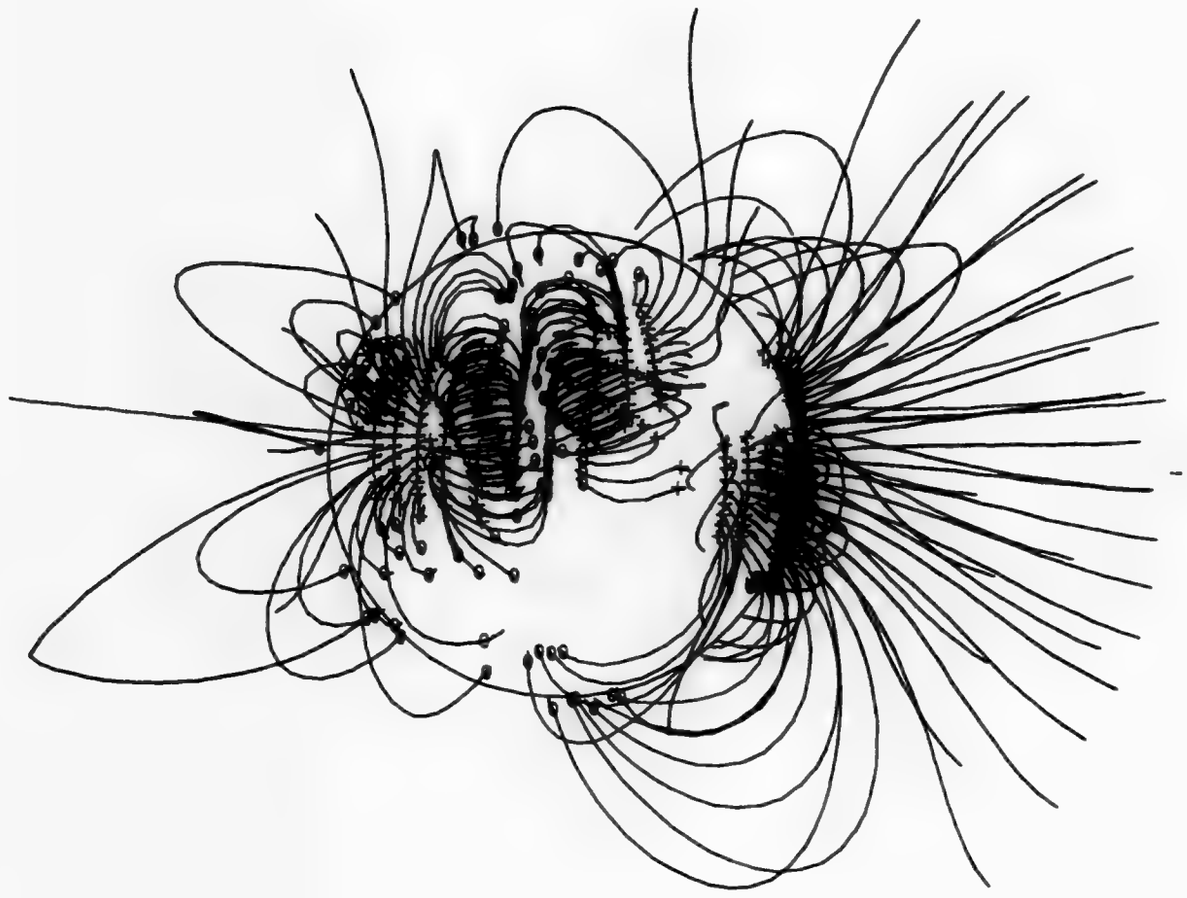
ROT. 1447 LONG. 210°

14.4 N0.7 1.05°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

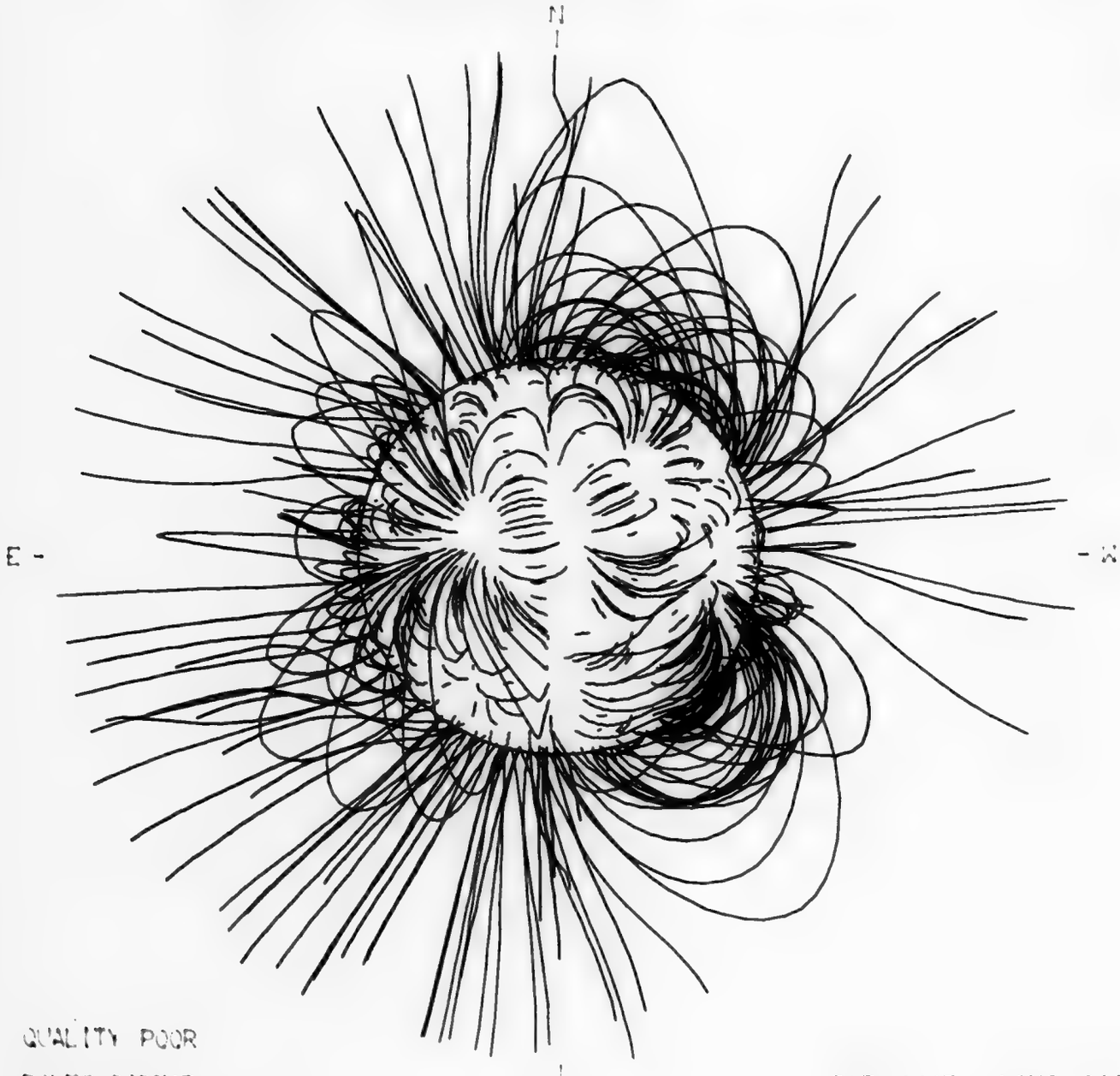
POLES DIRECT

DATA WINDOW 1446,58

ROT. 1447 [illegible]°

[illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1446.58

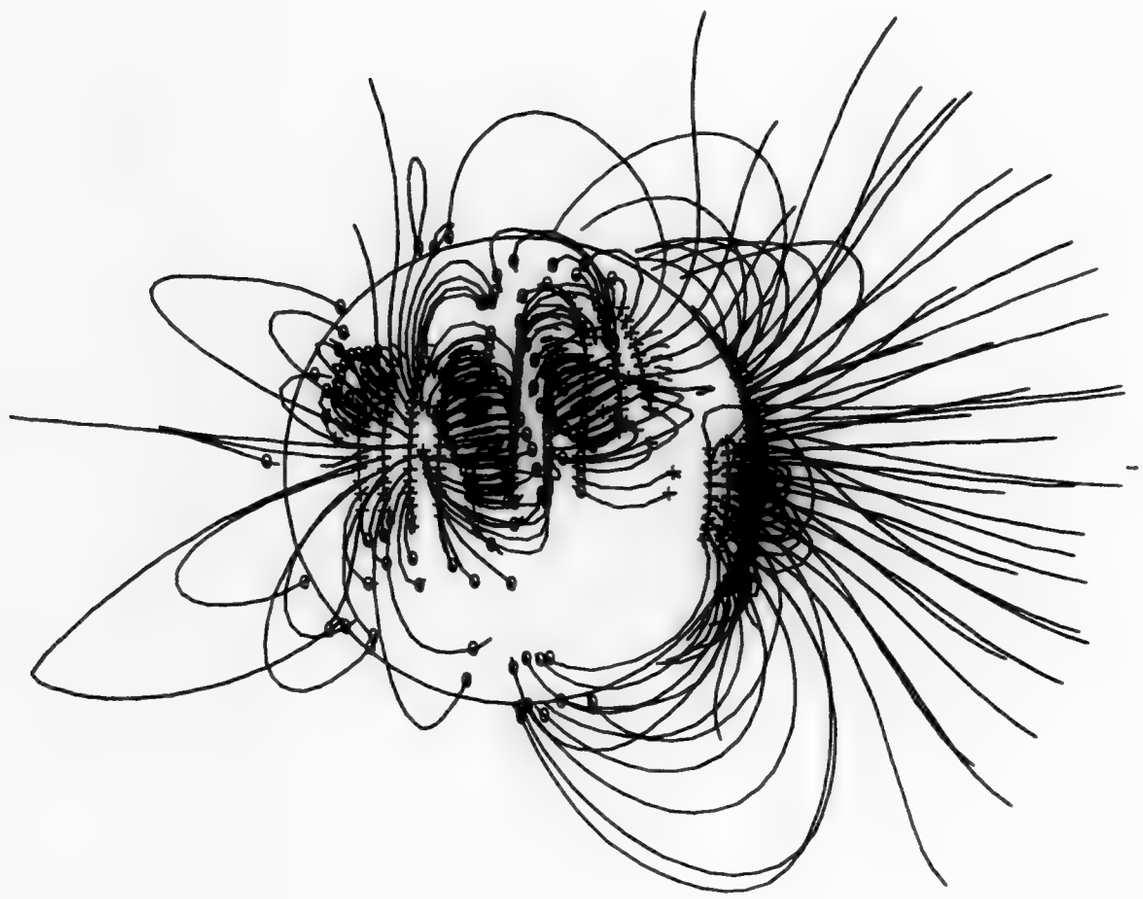
ROT. 1447 1013. 2°

15.2 NOV 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

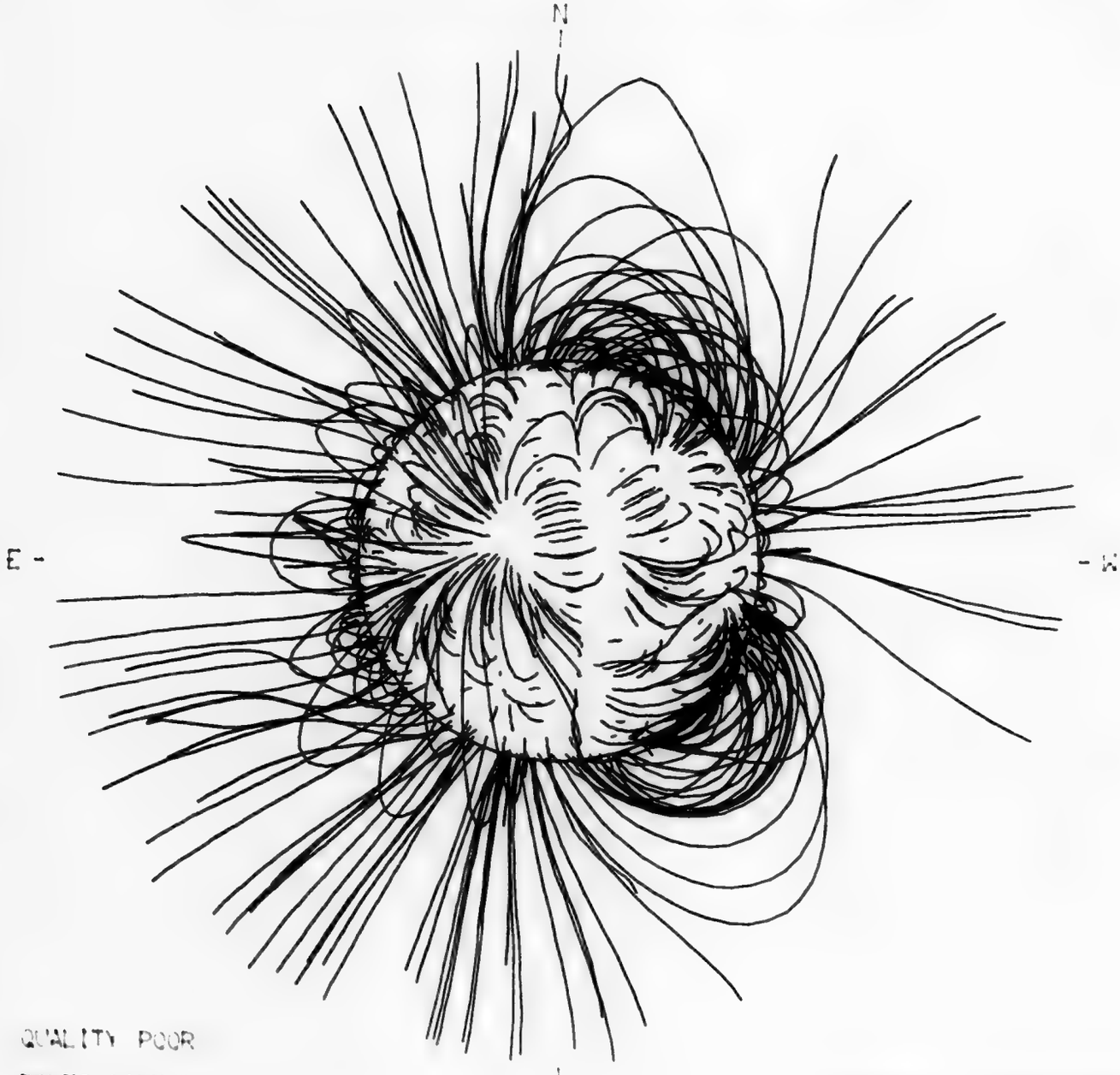
POLES DIRECT

DATA WINDOW 1446.58

ROT. 1447 LONG. 2°0

15.2 [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1446.58

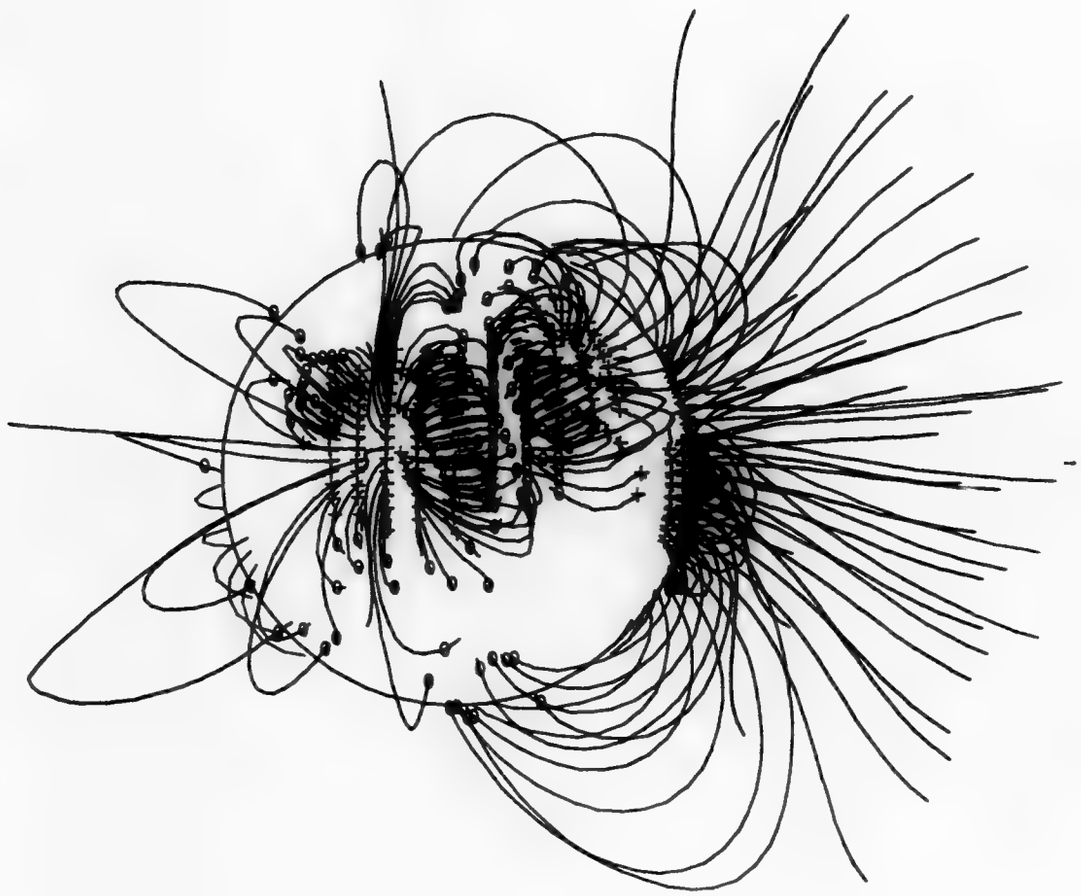
ROT. 1447 LONG. 200°

15.0 NLT 195°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

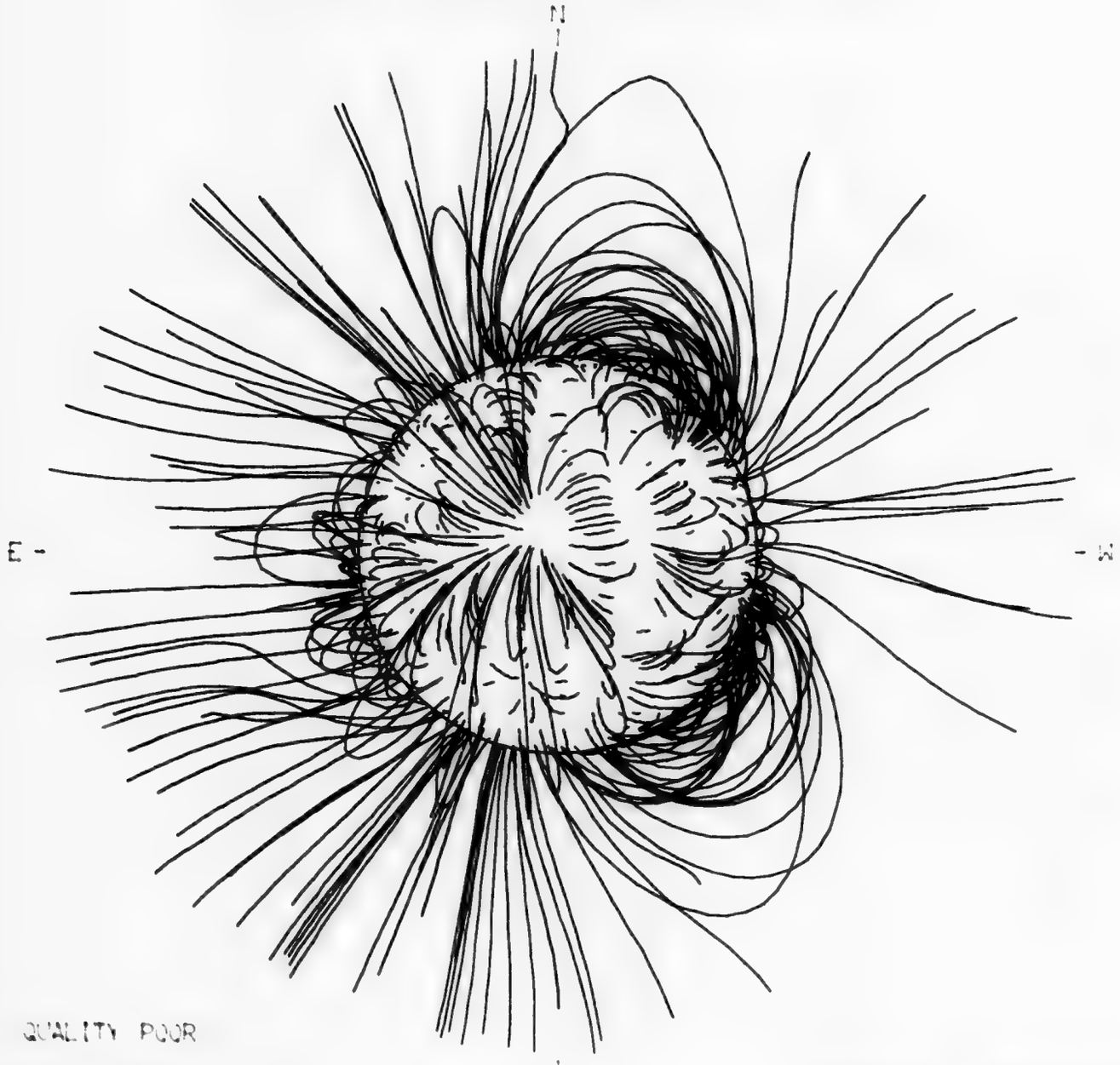
POLES DIRECT

DATA WINDOW 1446.58

ROT. 1447 LONG. 201°

16.0 AUG 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1446.58

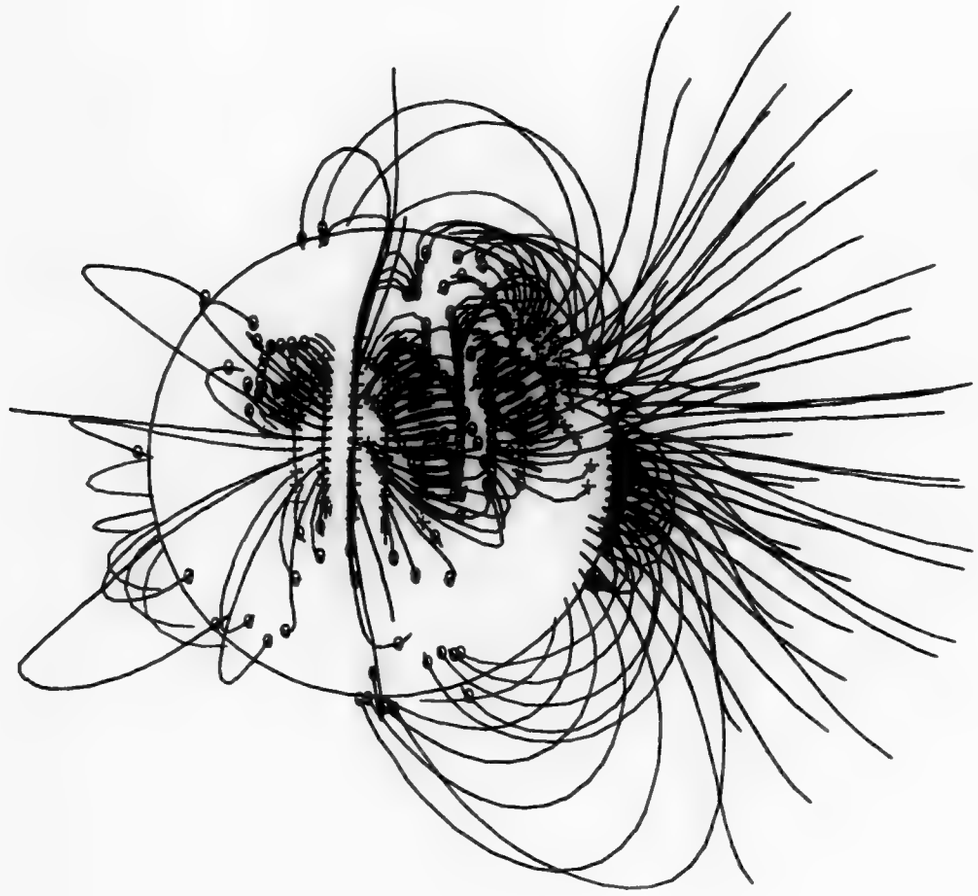
ROT. 1447 LONG. 96°

16.7 N.L. 96°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

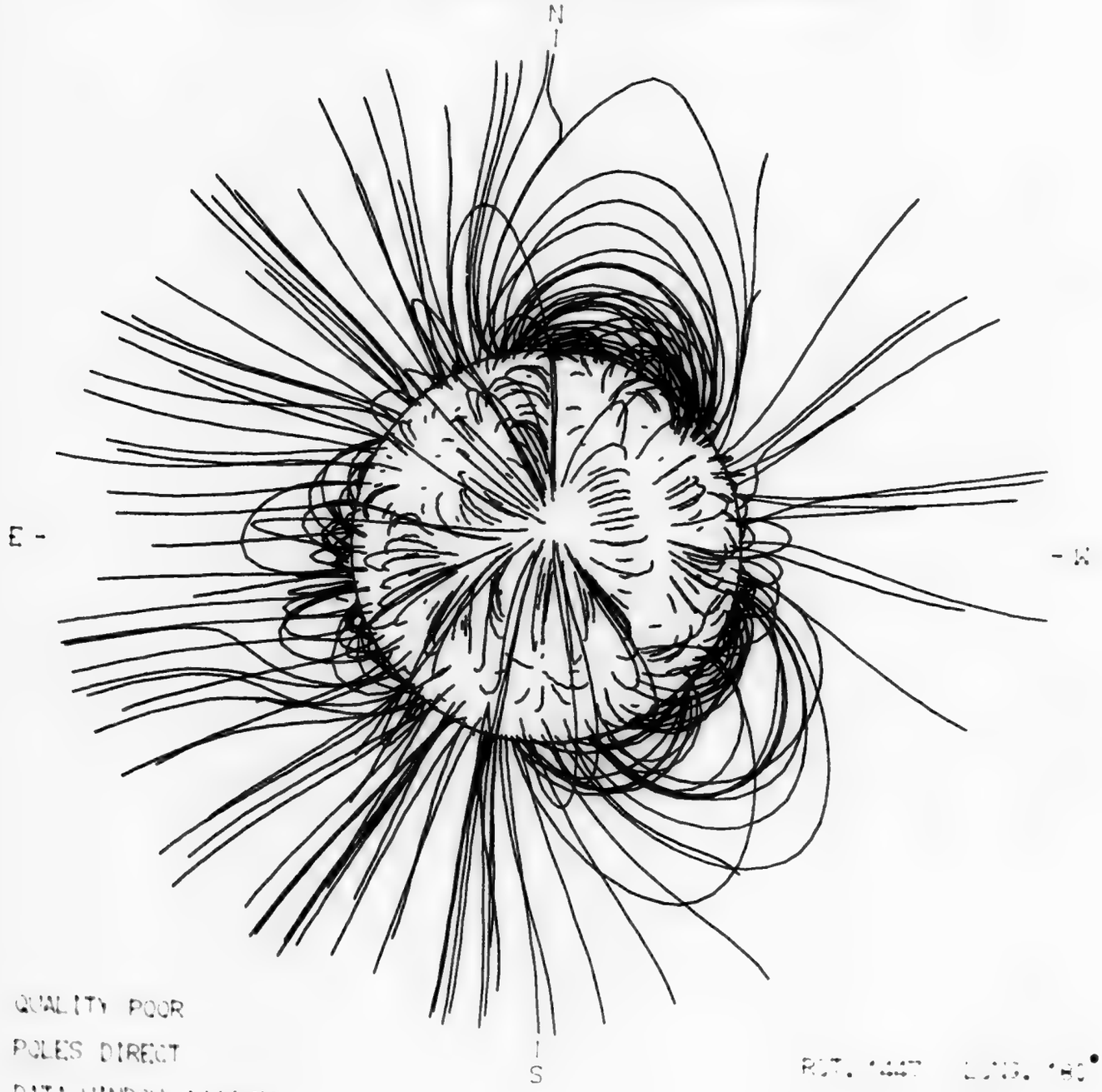
POLES DIRECT

DATA WINDOW 1.0,6.5R

RGT. 1.4.7 LONG. 1.0°

15.7 1.1 1.5°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.1.16.58

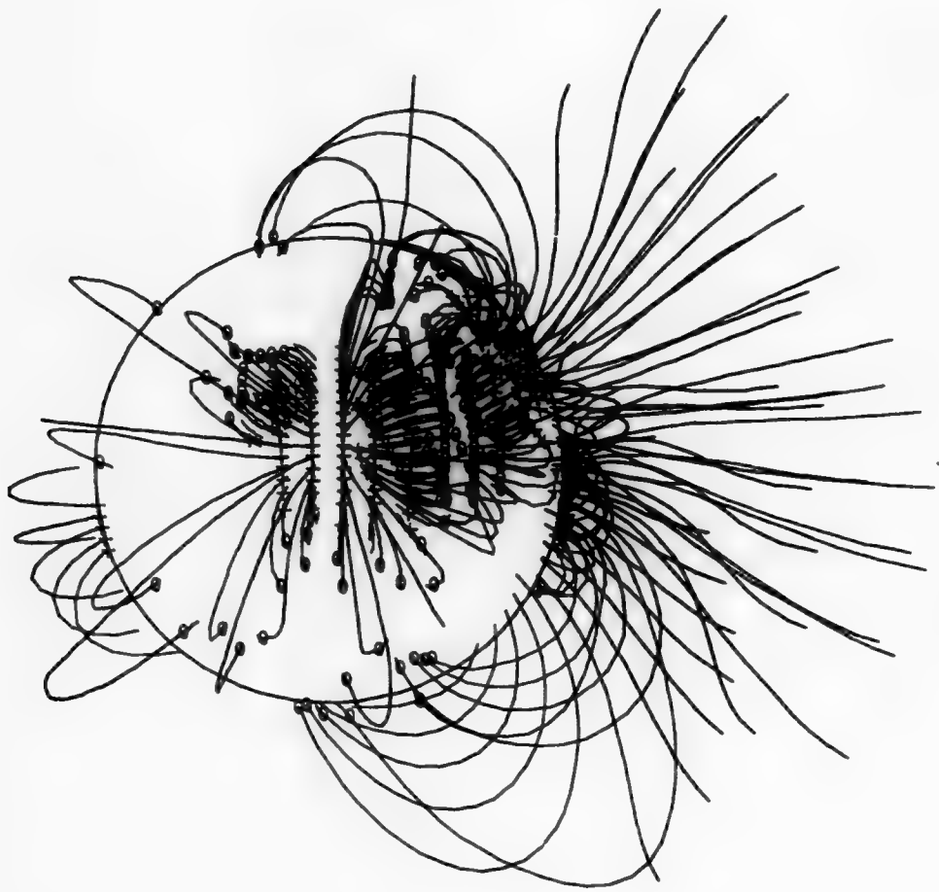
ROT. 1447 LONG. 180°

17.5 [illegible] 180°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

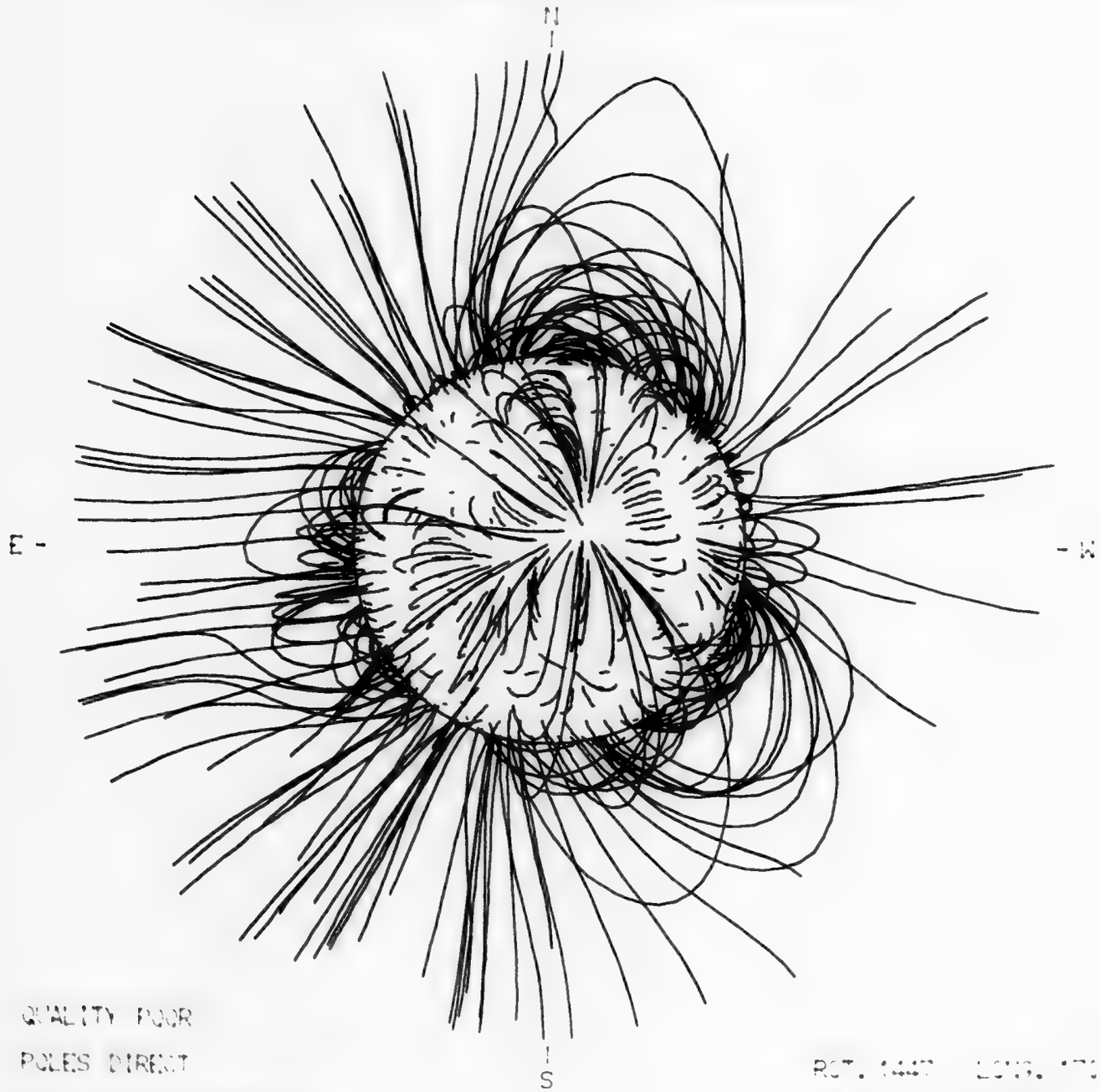
POLES DIRECT

DATA WINDOW 1446.58

ROT. 1447 LONG. 180°

17.5 NOV 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.0,6.58

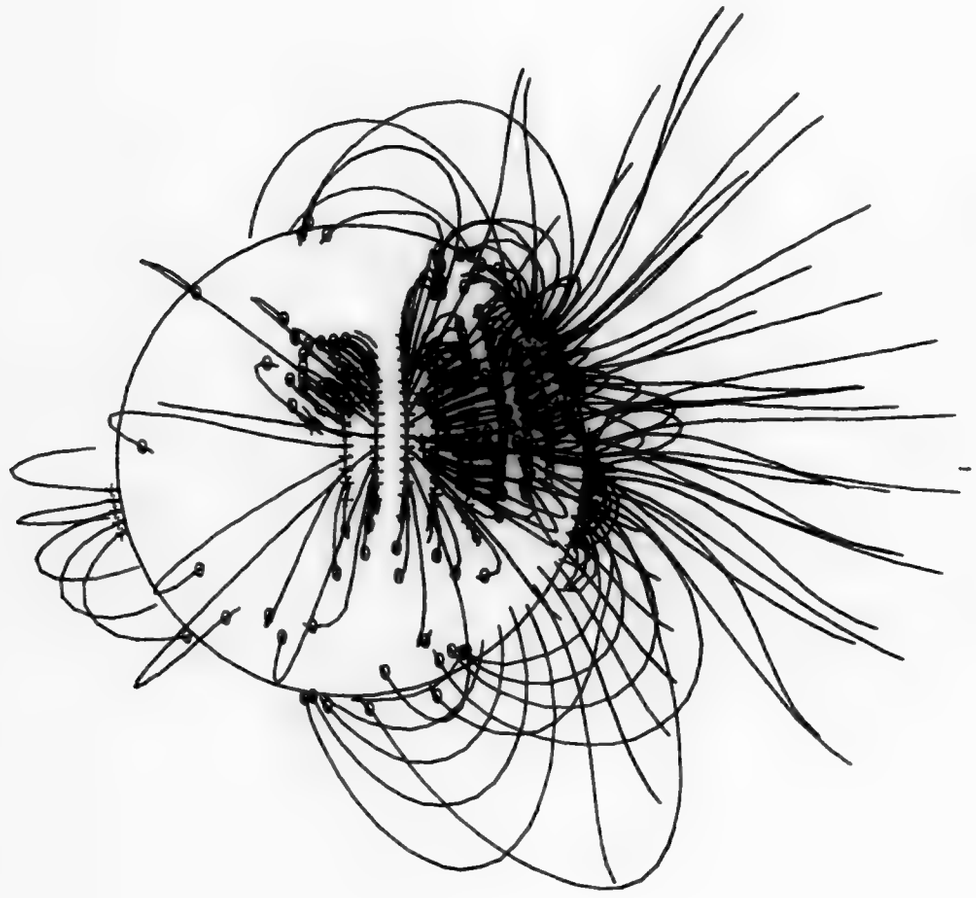
ROT. 1447 LONG. 171°

18.2 [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

QUALITY POOR

POLES DIRECT

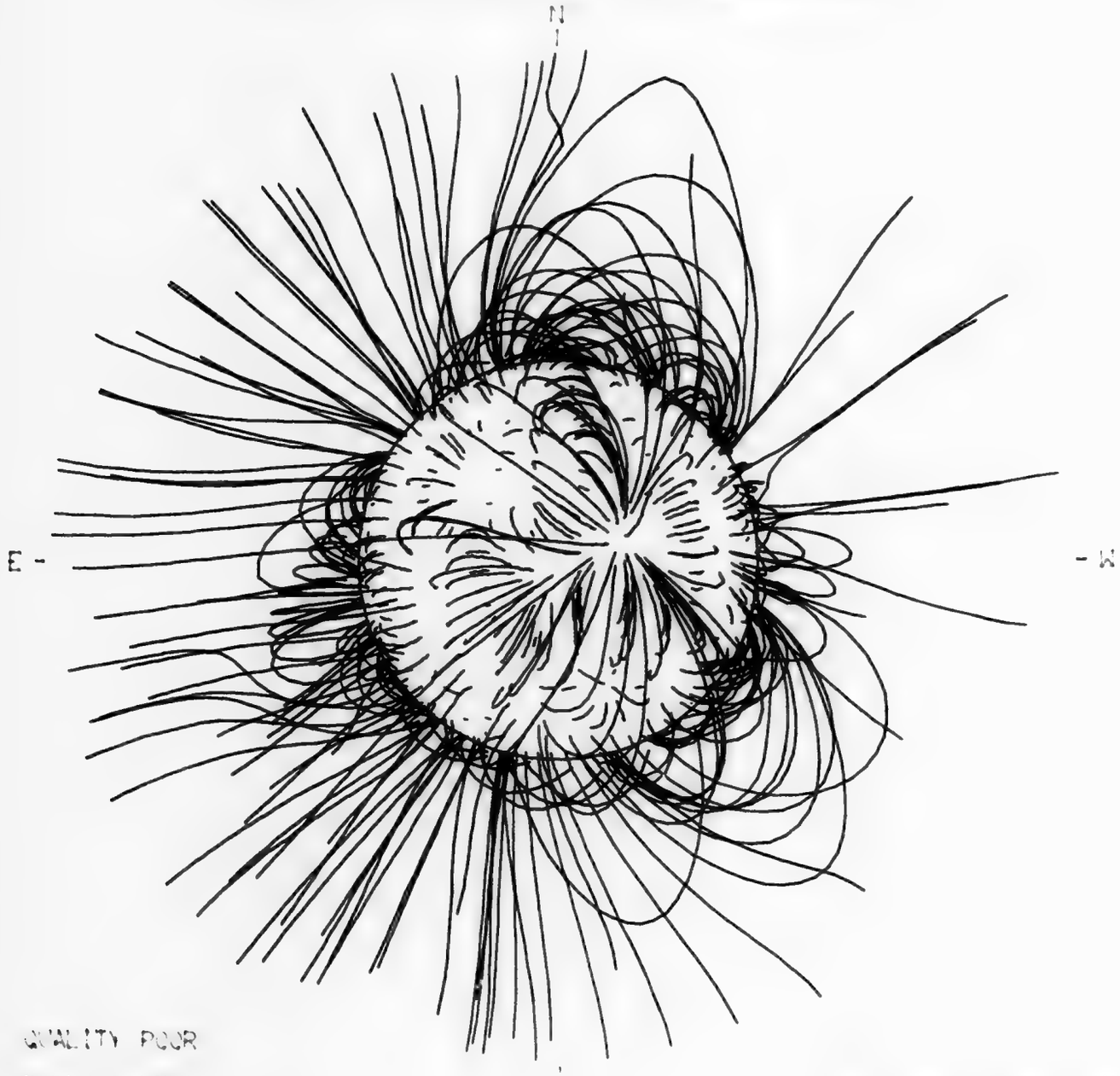
DATA WINDOW 1.0,6.5R

S

ROT. 1447 [illegible]°

18.2 [illegible]°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1446,58

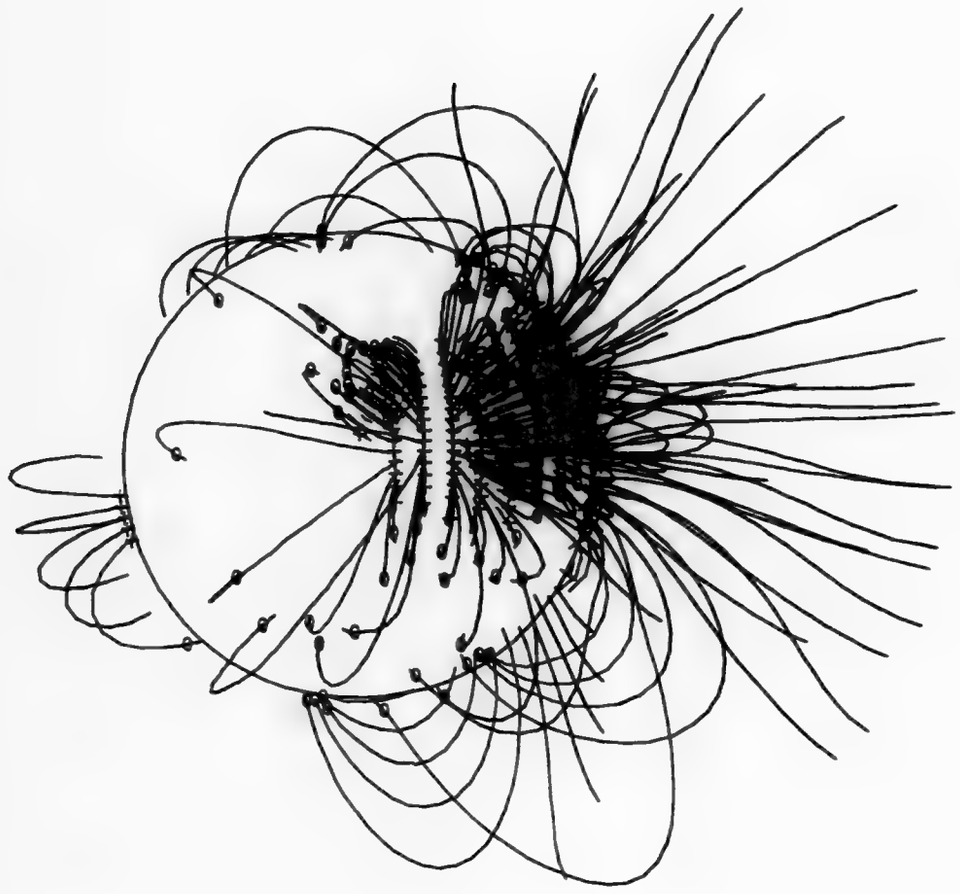
ROT. 1447 LONG. 150°

19.0 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

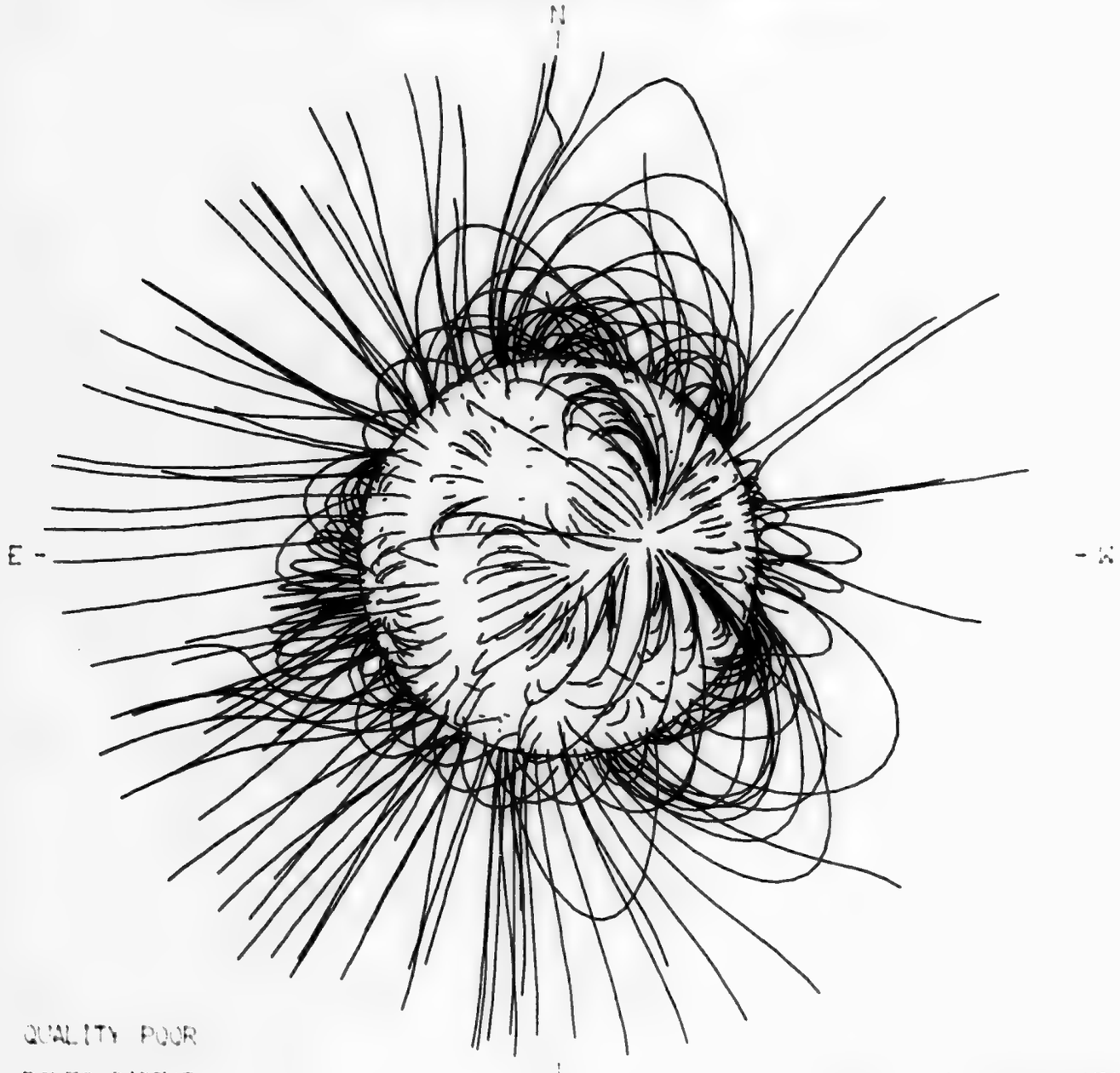
POLES DIRECT

DATA WINDOW 1446.58

ROT. 1447 LONG. 60°

19.0 LAT. 26°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

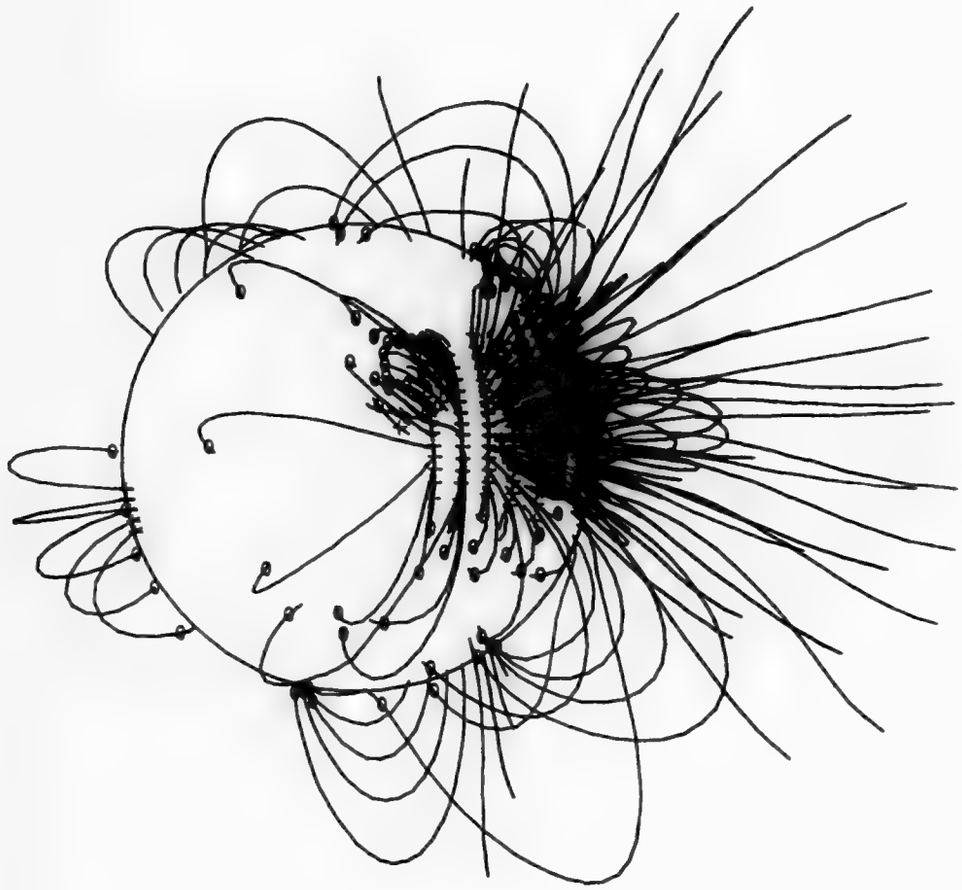
DATA WINDOW 1436,58

ROT. 1447 LONG. 150°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1446,58

ROT. 1447 LONG. 50°

19.7 AUG 1961

NO OBSERVATIONS
ROT. 1447 LONG. 140--ROT. 1447 LONG. 80
19.8 NOV 1961--25.1 NOV 1961

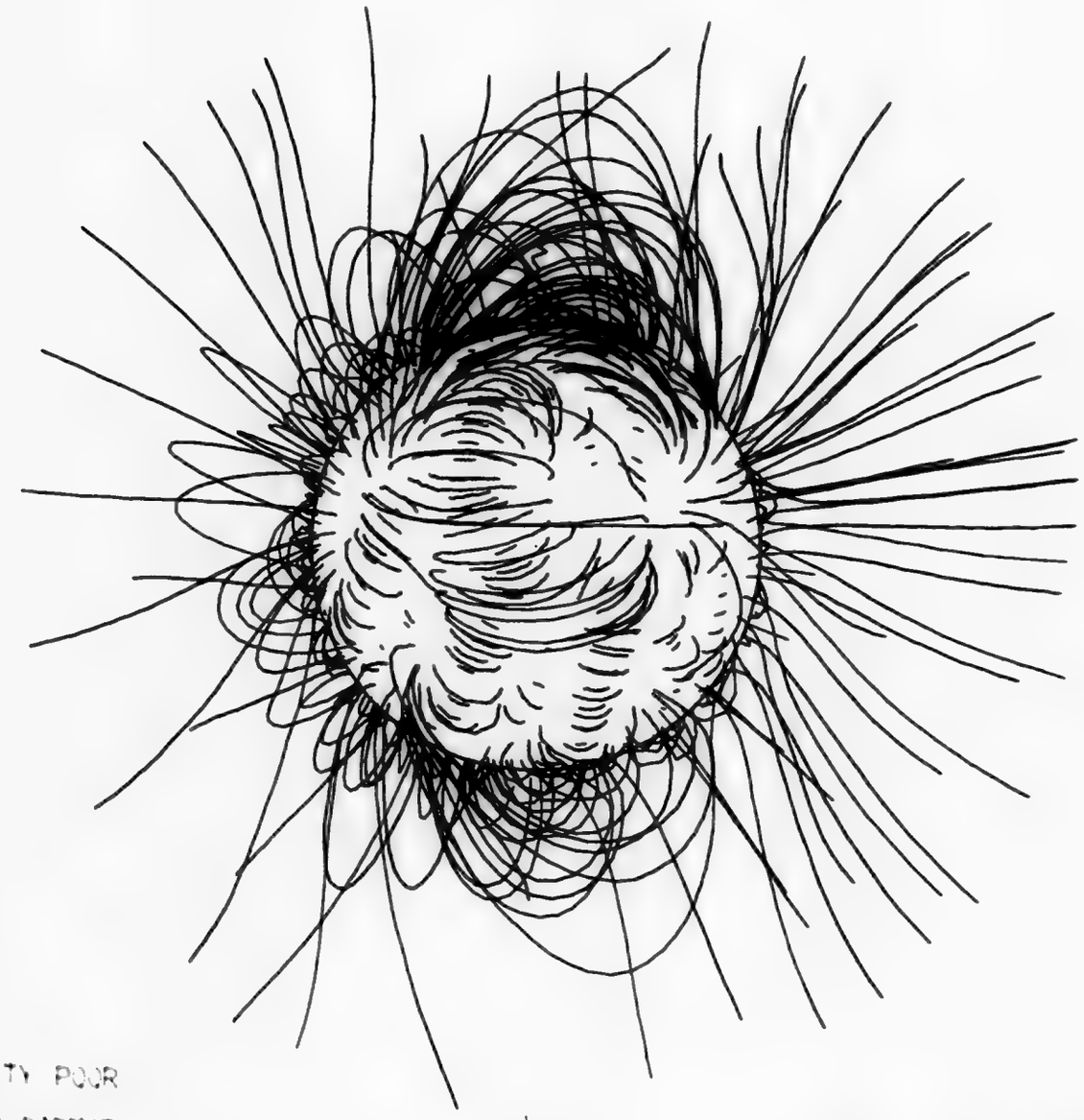
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

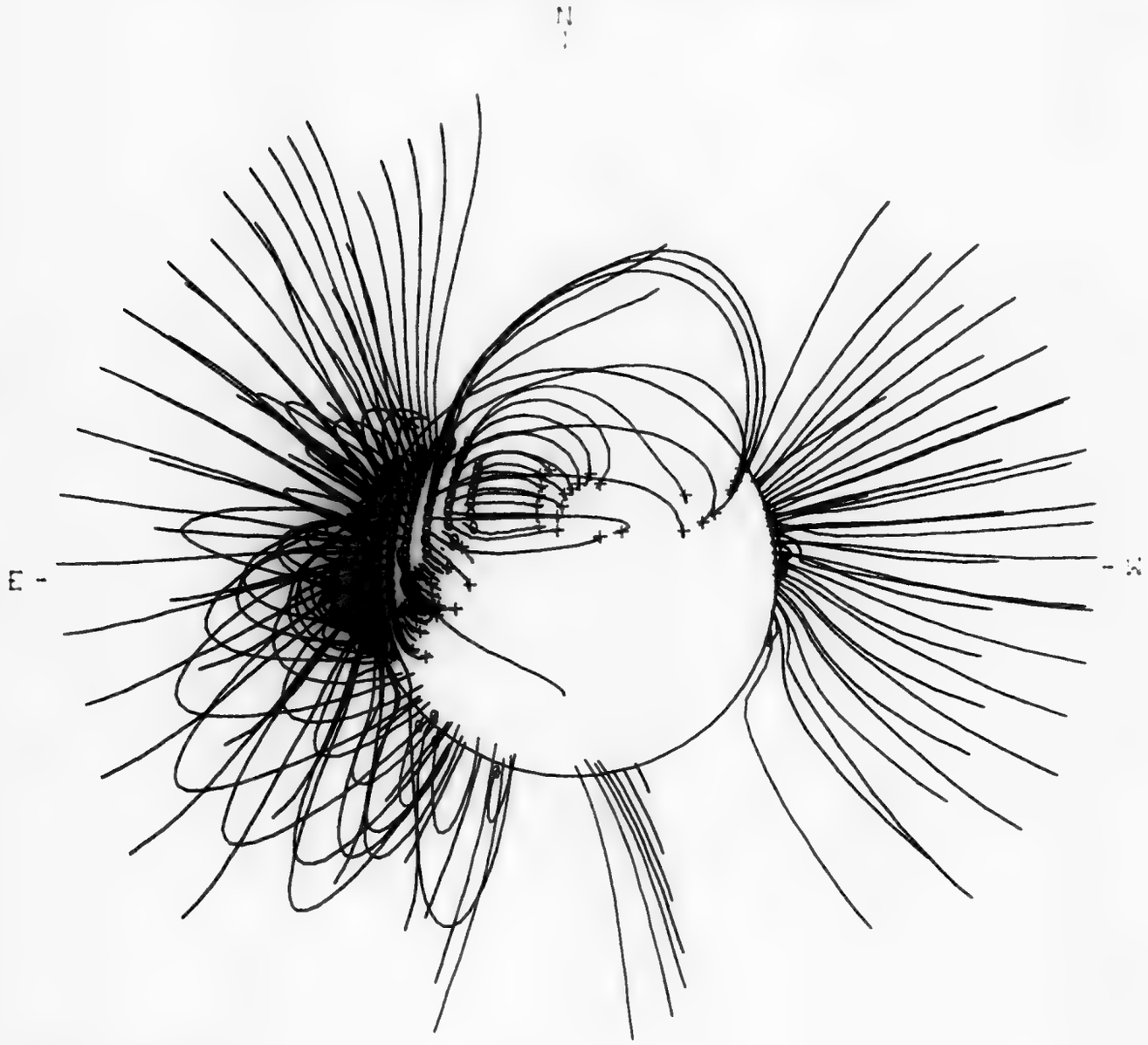
POLES DIRECT

DATA WINDOW 1445.78

ROT. 1447 [illegible]°

25.8 [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

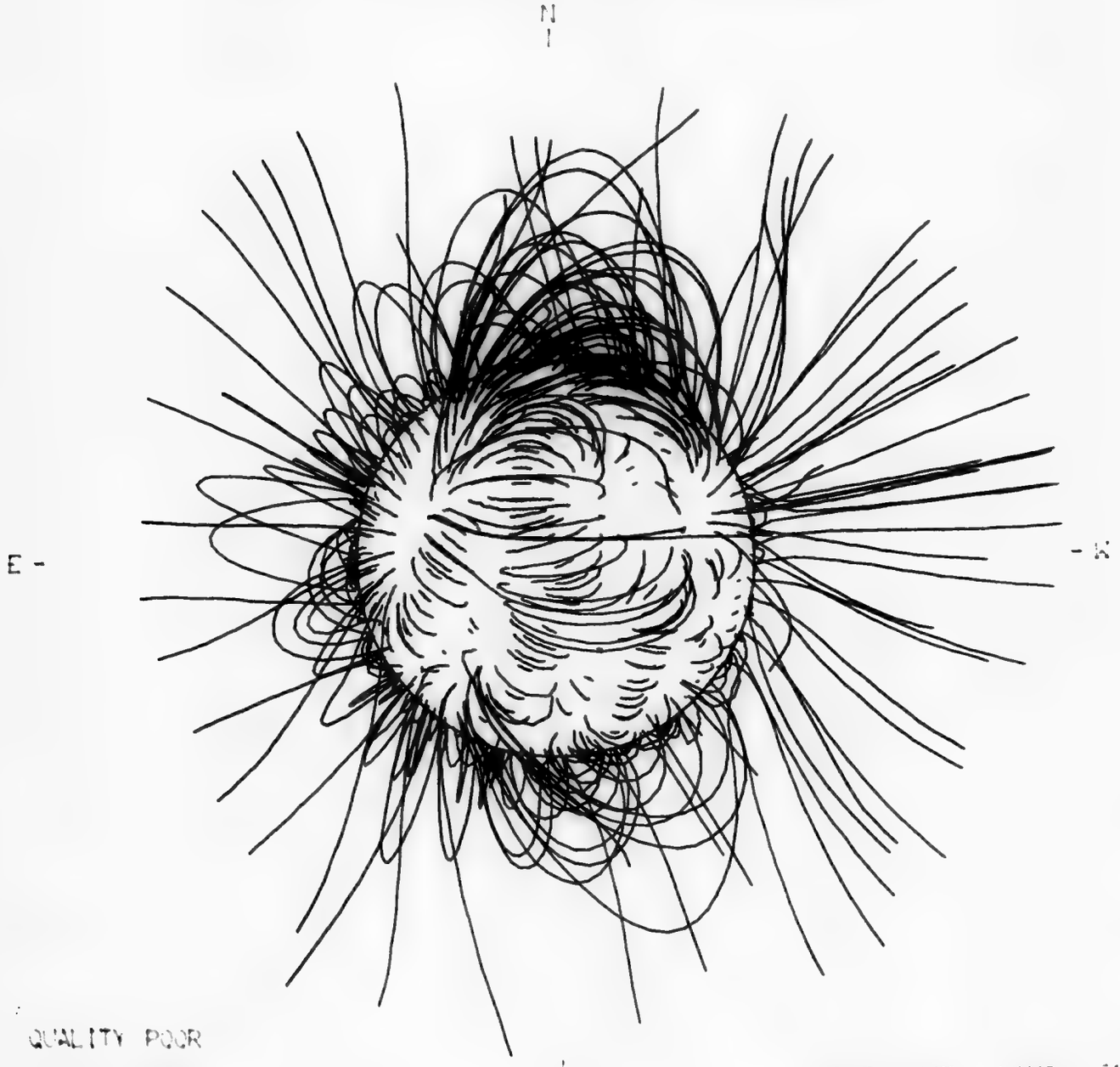
POLES DIREC

DATA WINDOW 1447.78

ROT. 1447 LONG. 73°

25.8 [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1447.78

ROT. 1447 LONG. 91°

26.5 [illegible] 145°

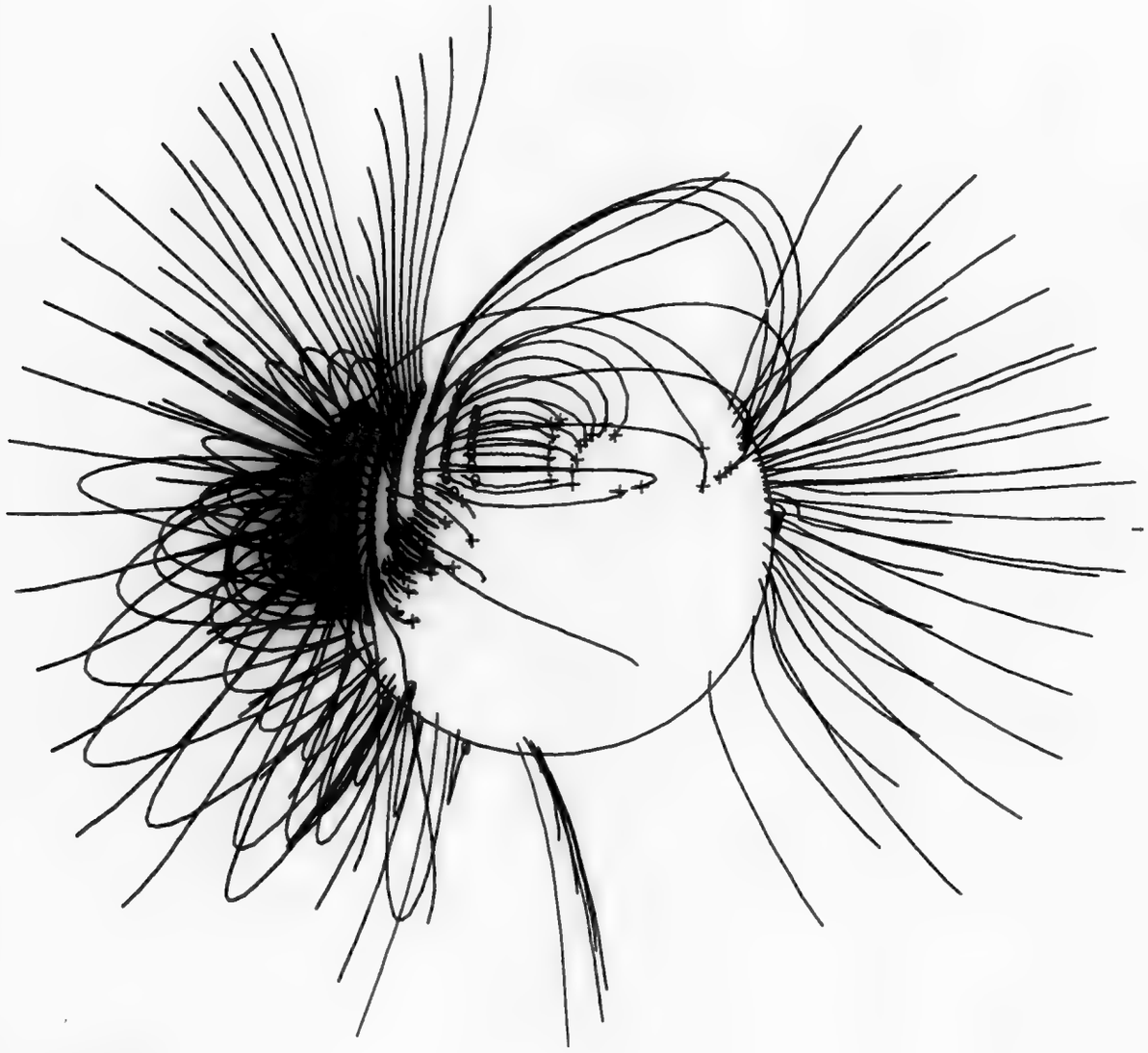
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

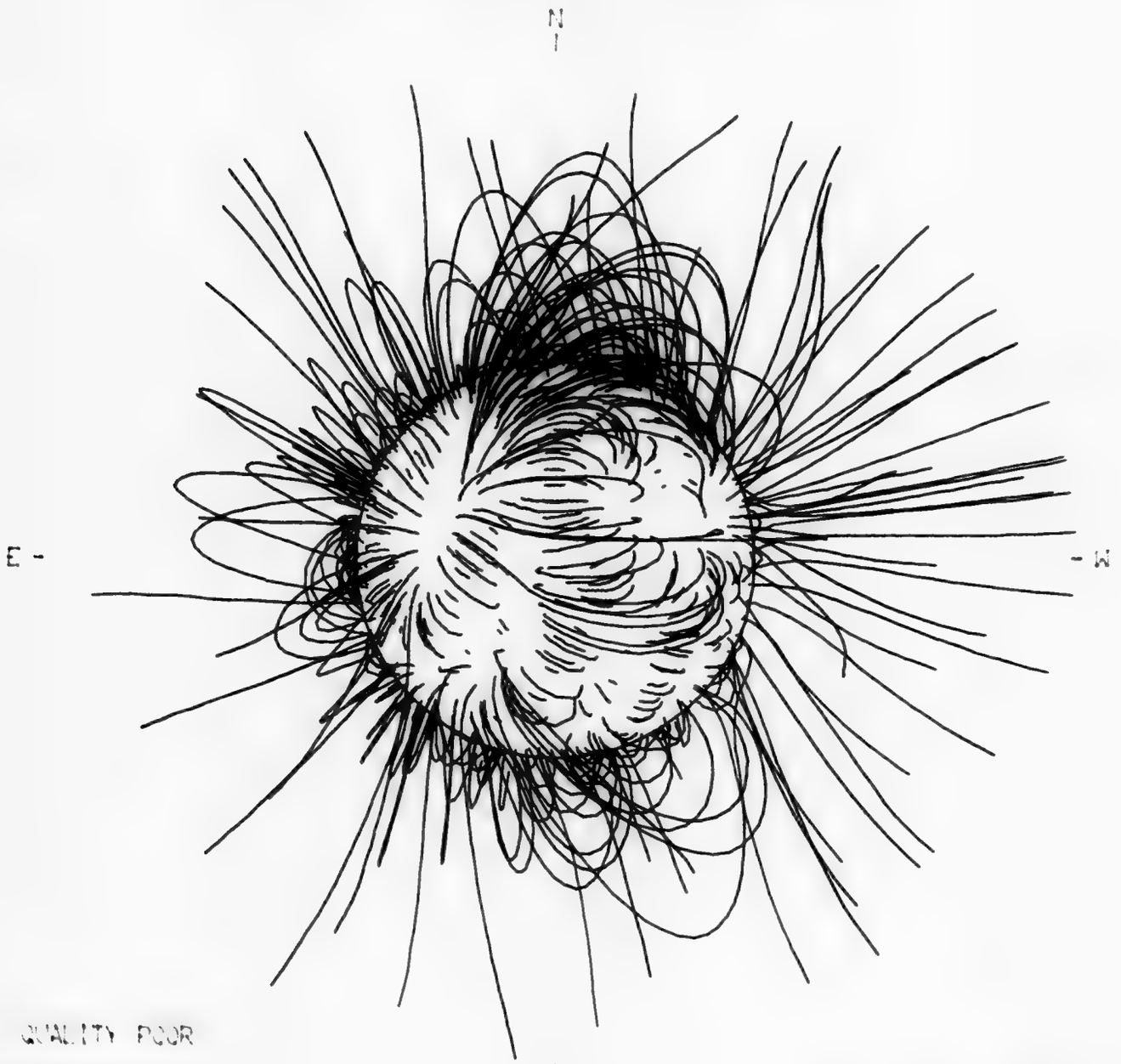
POLES DIRECT

DATA WINDOW 1447.78

ROT. 1447 LONG. 60°

26.6 NOV 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

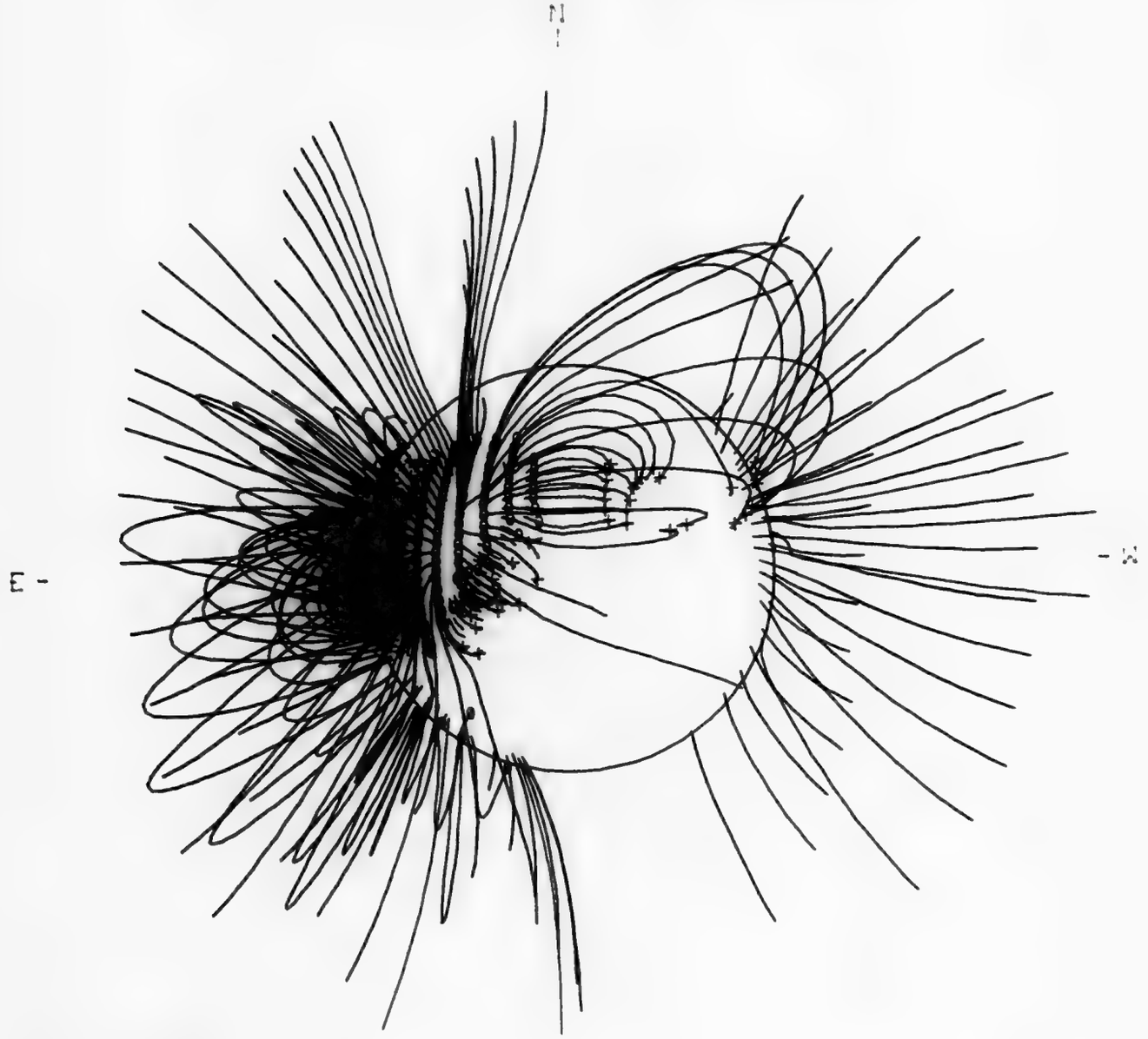
POLES DIRECT

DATA WINDOW 1447,78

ROT. 1447 LONG. 5[illegible]°

27.4 [illegible] 961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



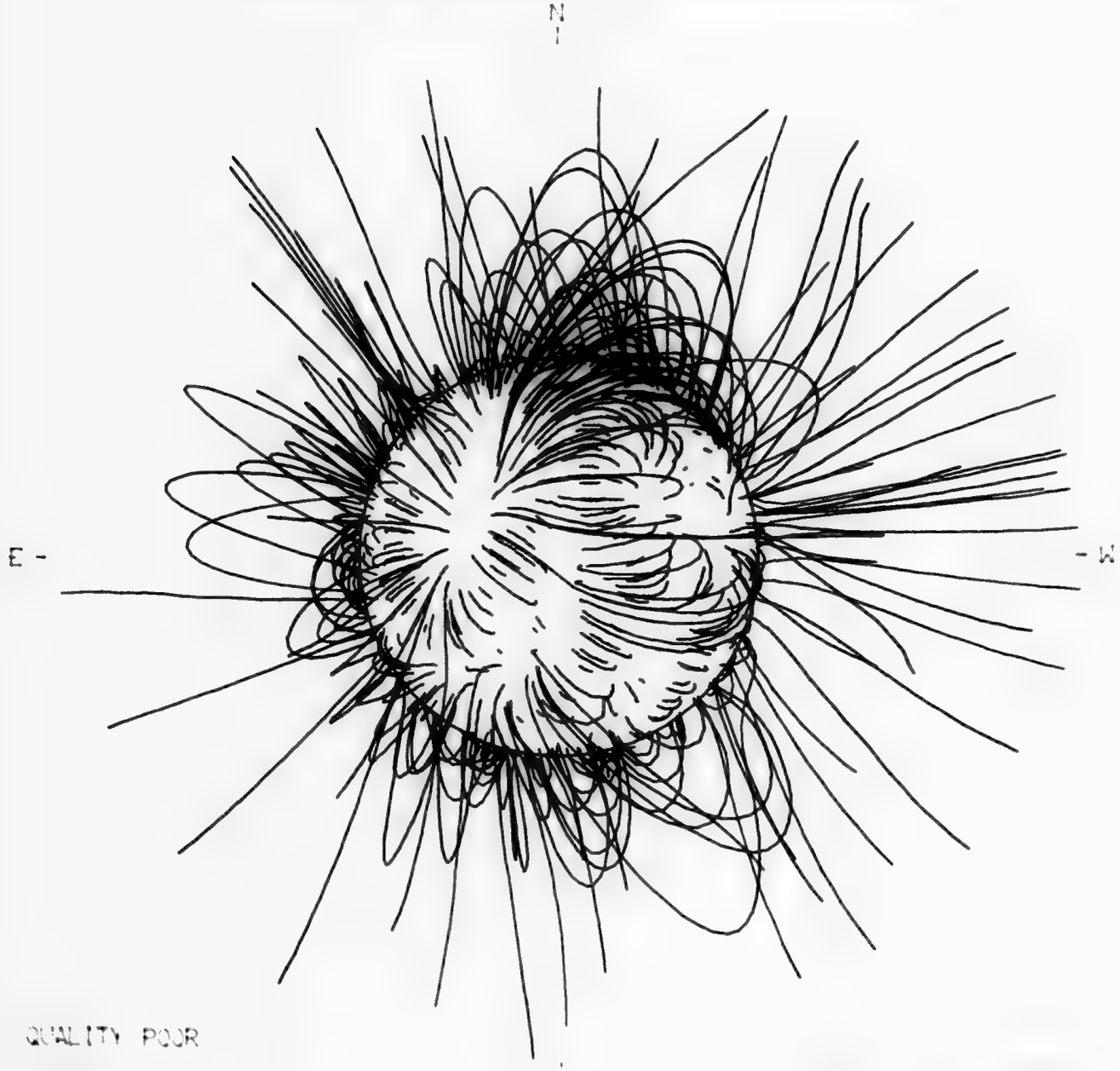
QUALITY POOR

POLES DIRECT

DATA WINDOW 1447.78

ROT. 1447 LONG. 51°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1447.78

ROT. 1447 LONG. 40°

28.1 [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

QUALITY POOR

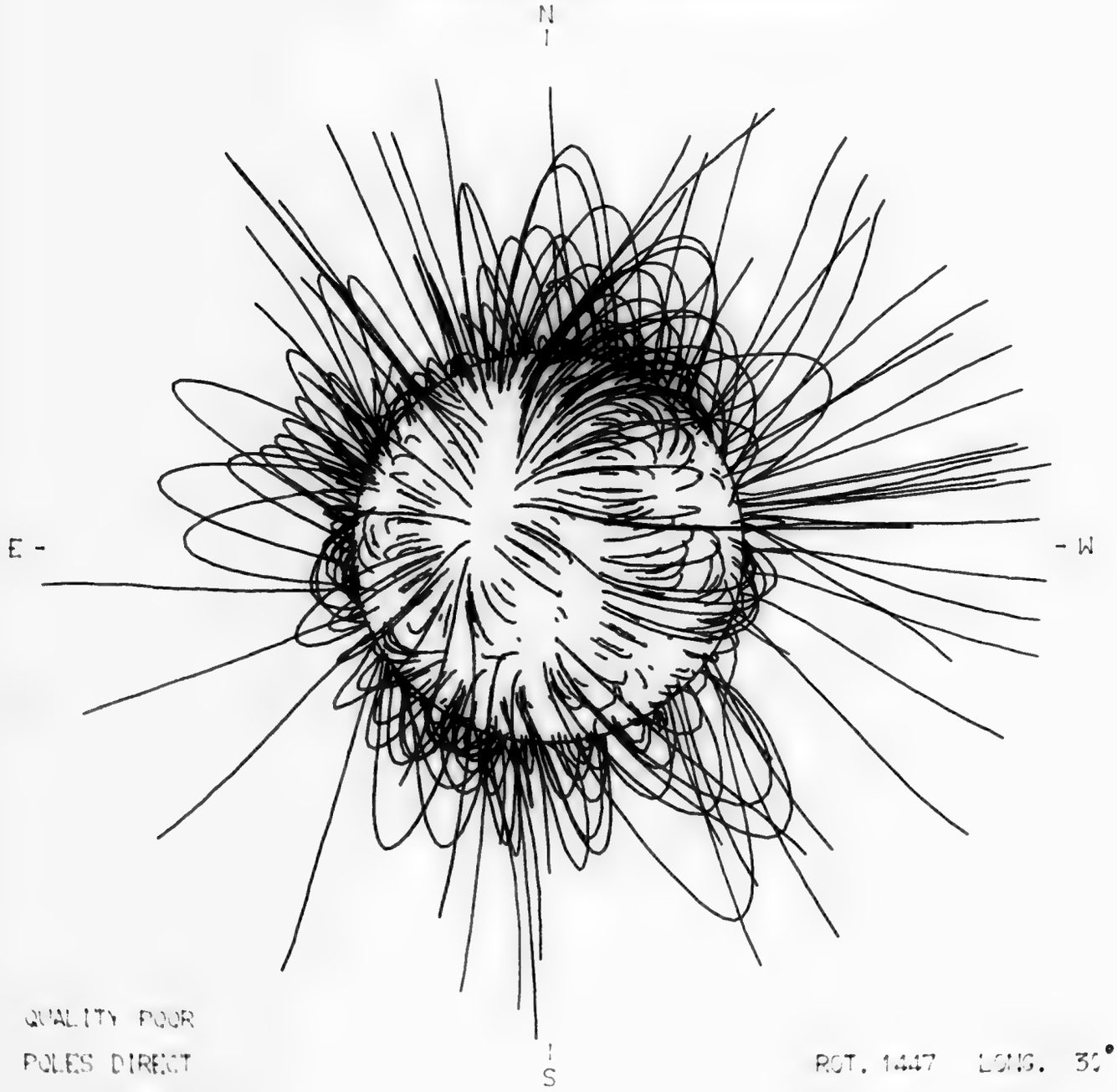
POLES DIRECT

DATA WINDOW 1.0:27.78

ROT. 1447 LONG. 41°

28.° [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

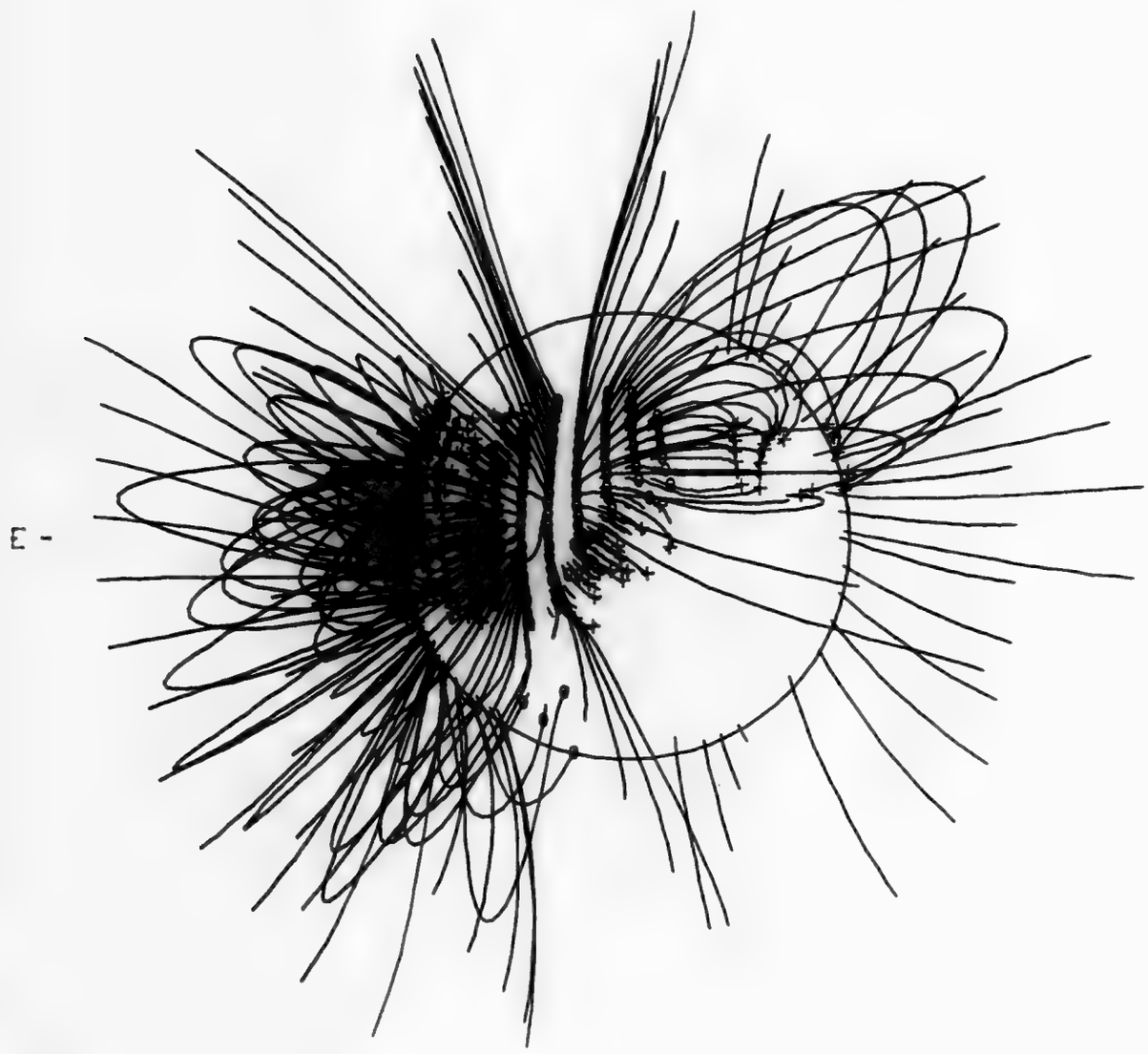
POLES DIRECT

DATA WINDOW 1447.78

ROT. 1447 LONG. 30°

28.9 NOV 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

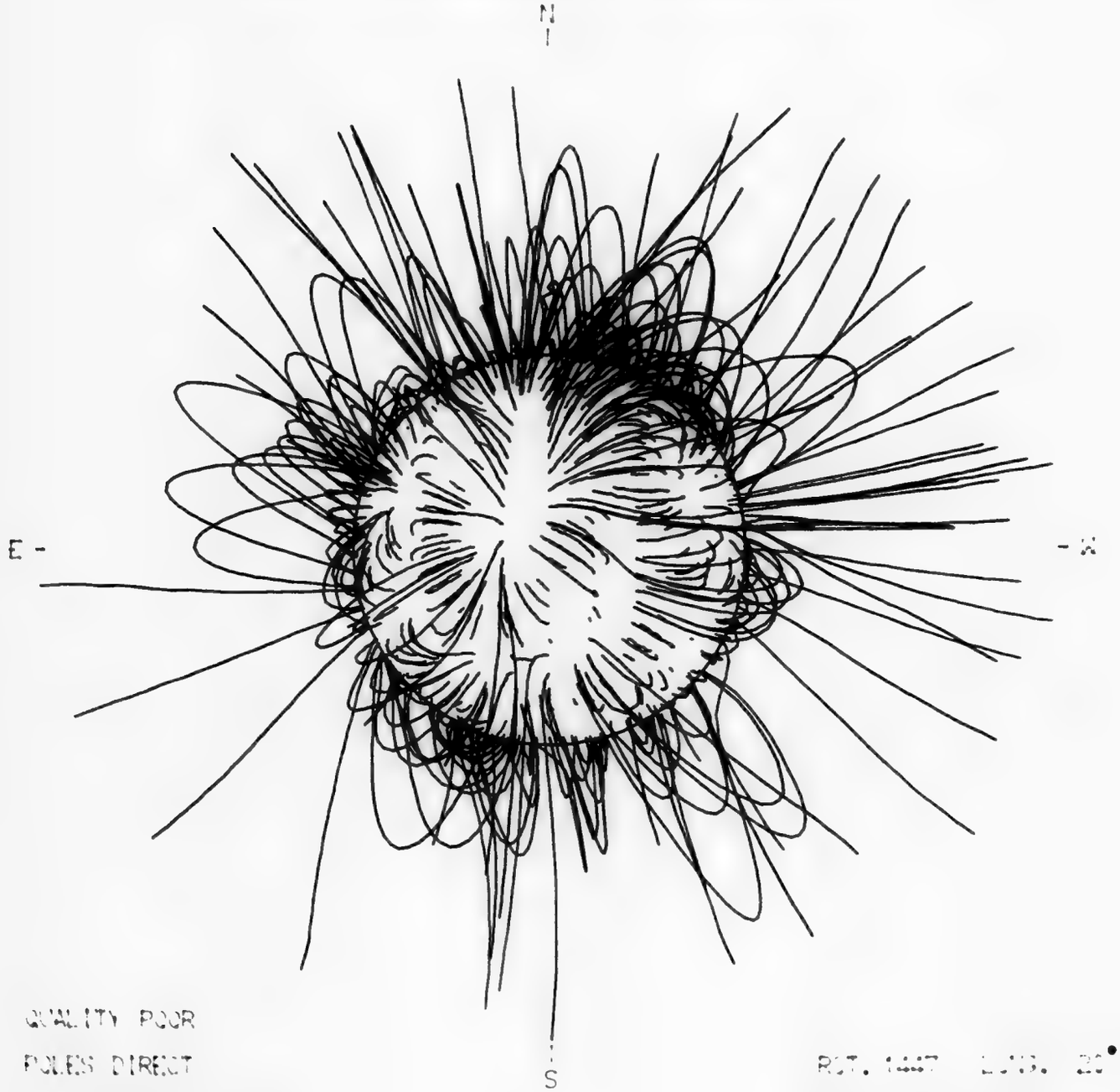
POLES DIRECT

DATA WINDOW 1447.78

ROT. 1447 LONG. 36°

28.9 [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

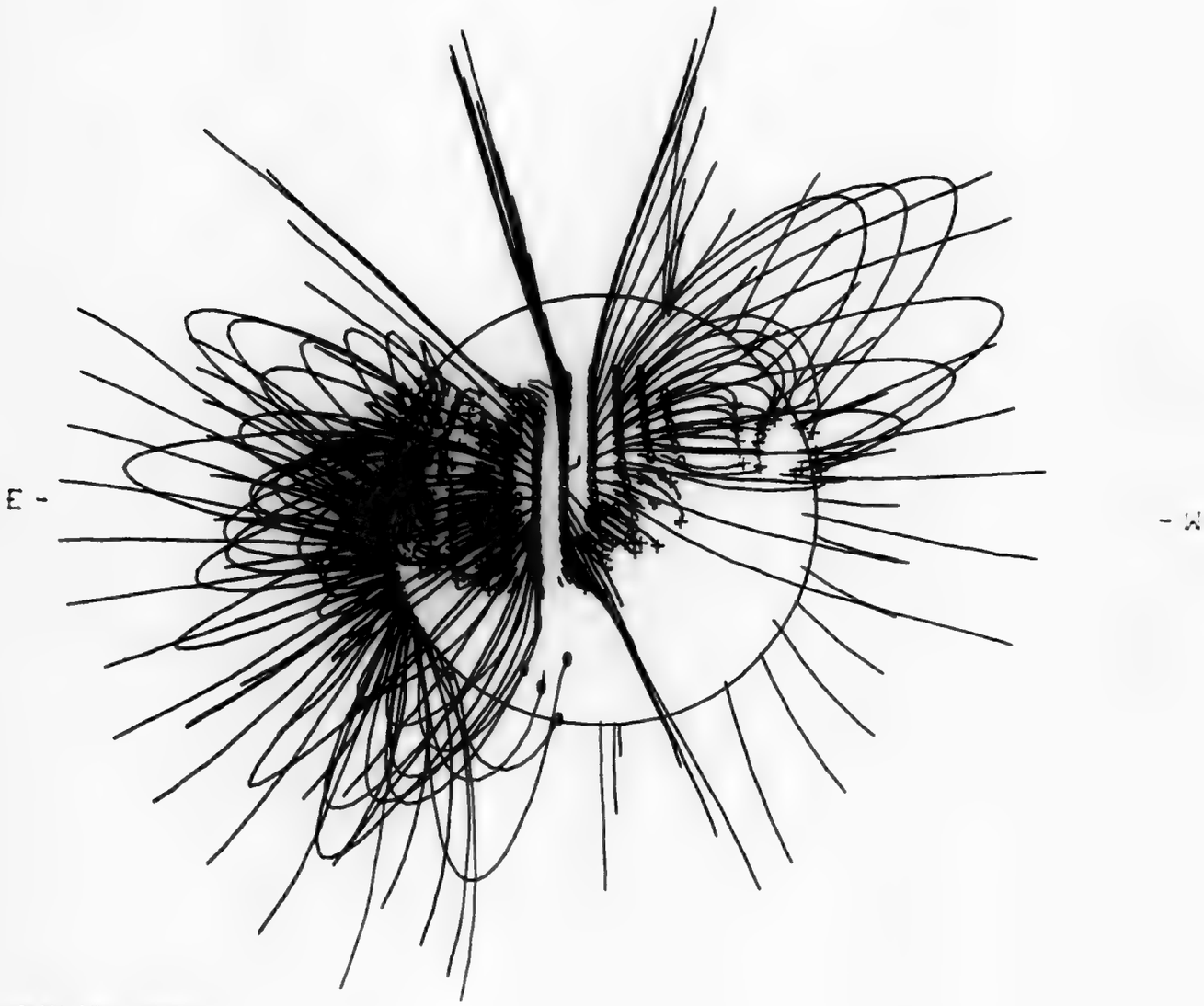
POLES DIRECT

DATA WINDOW 1447.78

ROT. 1447 L0=13. B0=

29.6 [illegible] 96°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

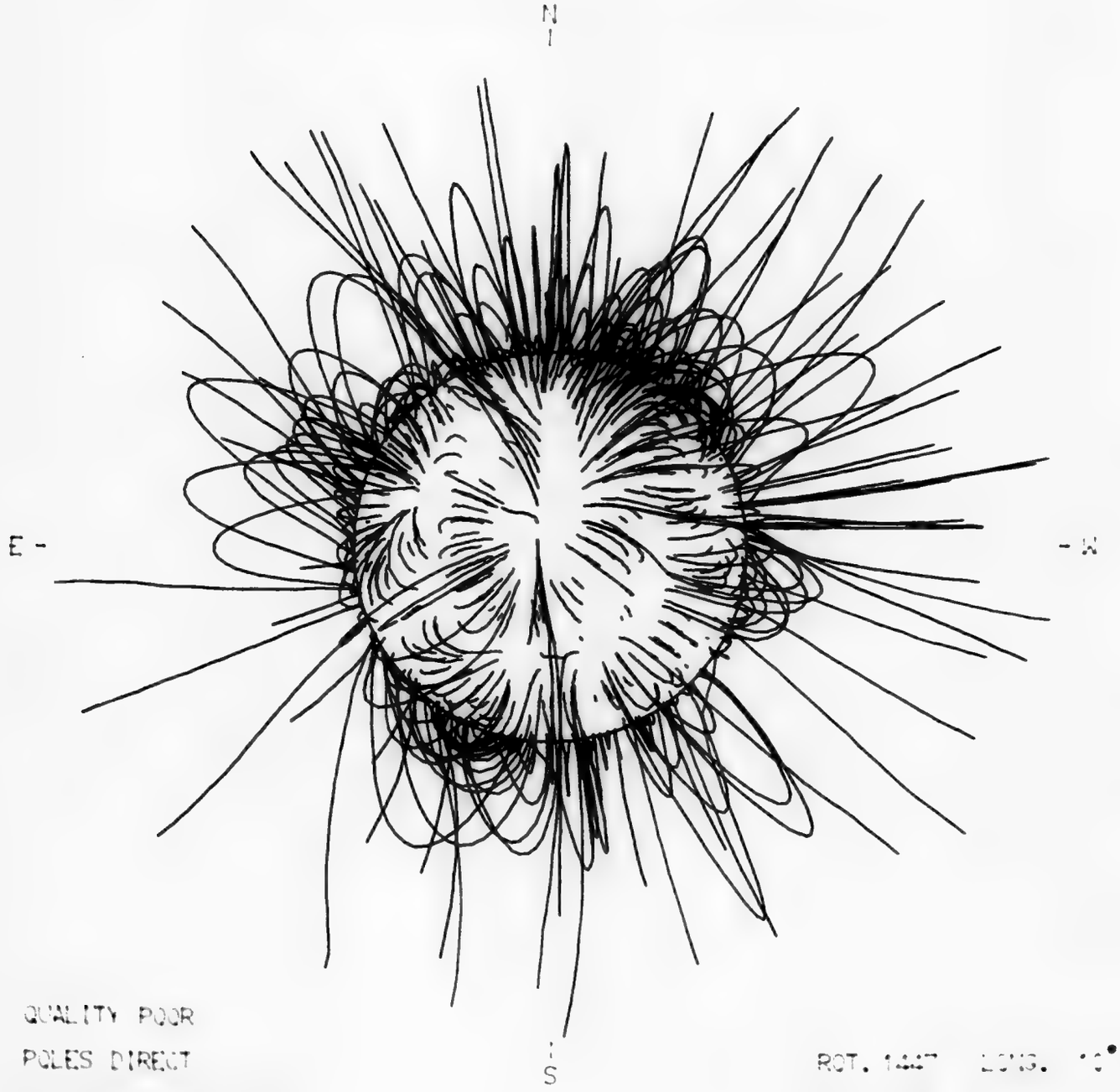
POLES DIRECT

DATA WINDOW 1447.78

ROT. 1447 LONG. 22°

29.6 NOV 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

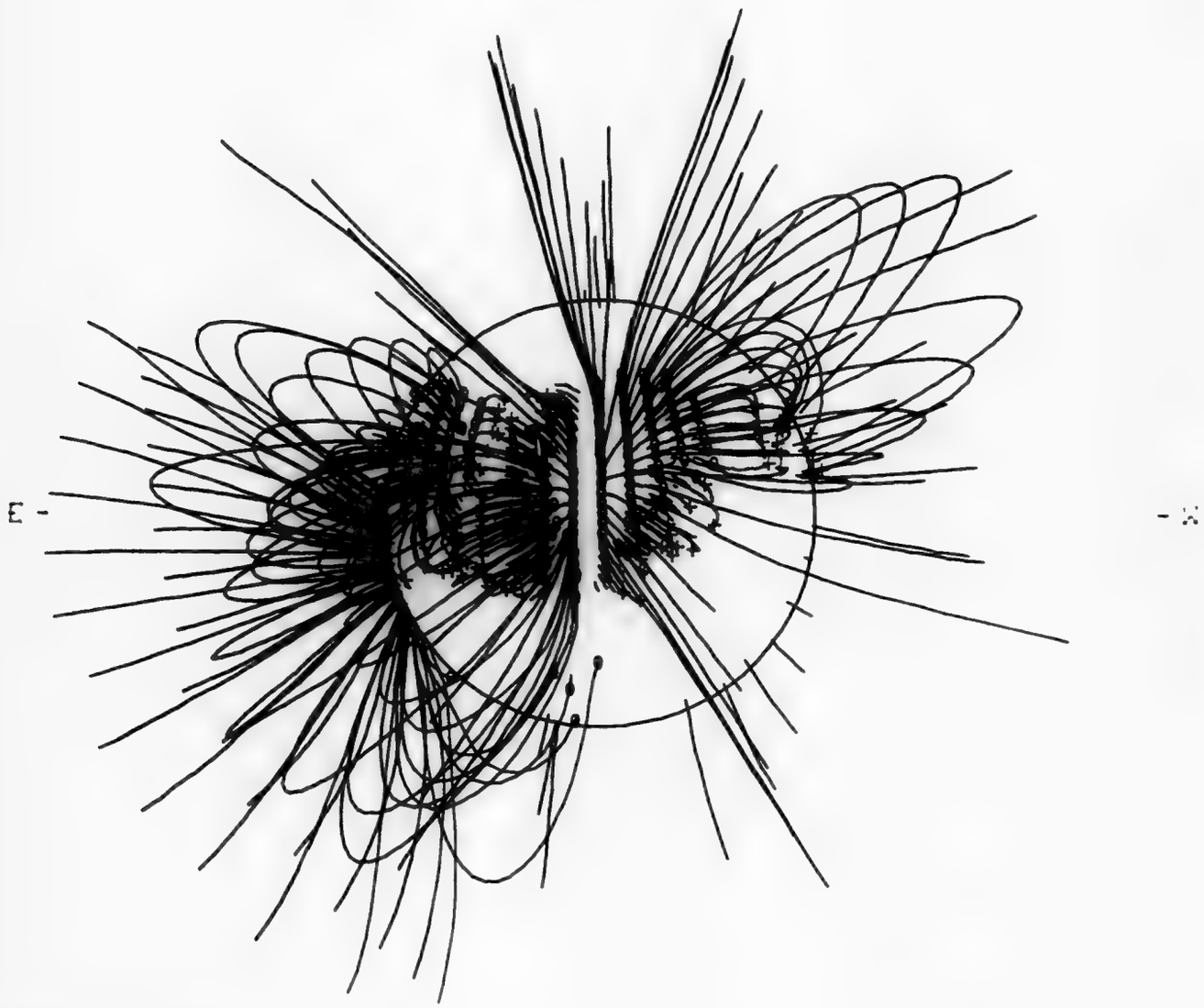
POLES DIRECT

DATA WINDOW 1447.78

ROT. 1447 LONG. 0°

30.4 W 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

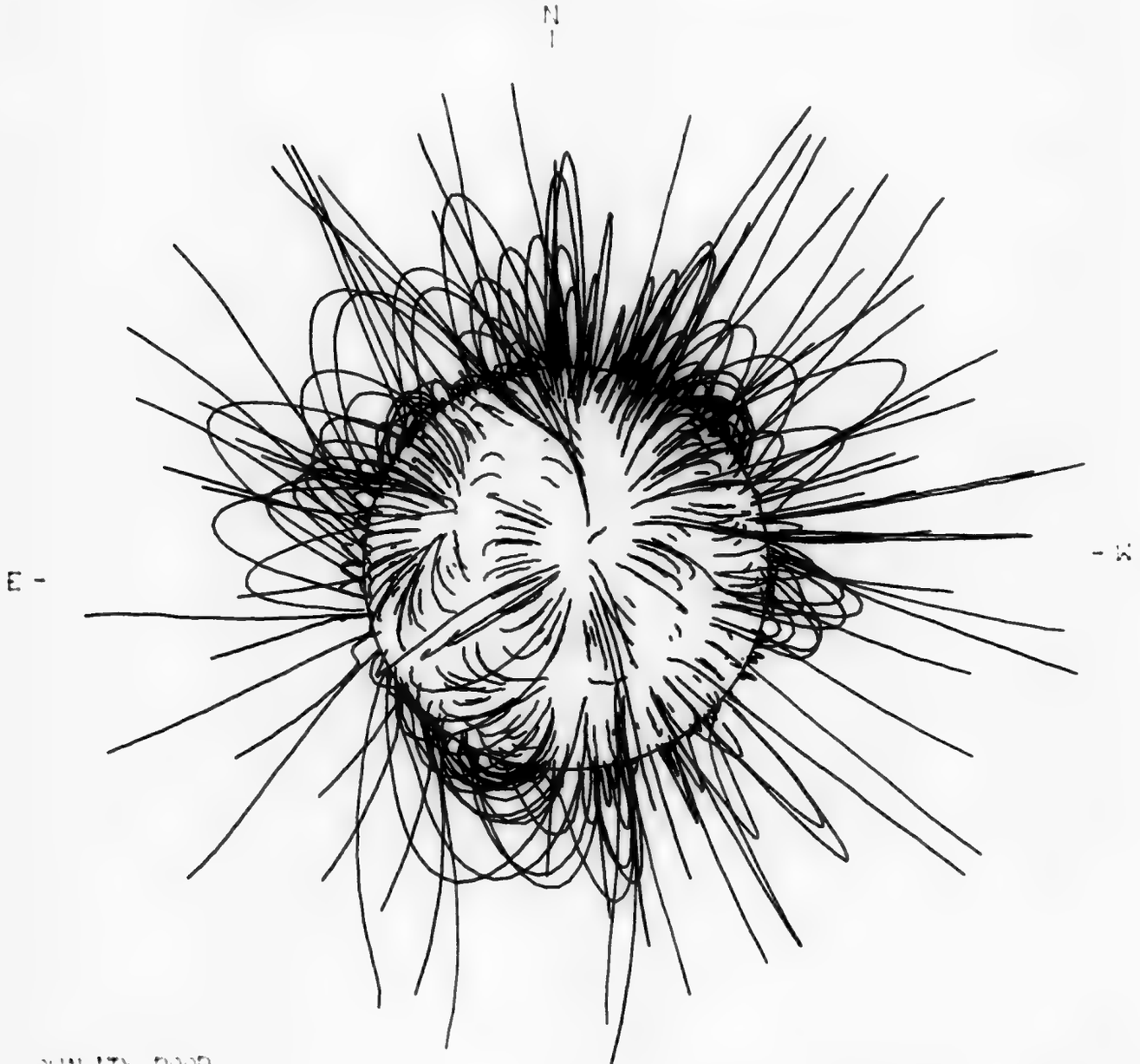
POLES DIRECT

DATA WINDOW 1447.78

ROT. 1447 LONG. 0°

30.4 [illegible] 26°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

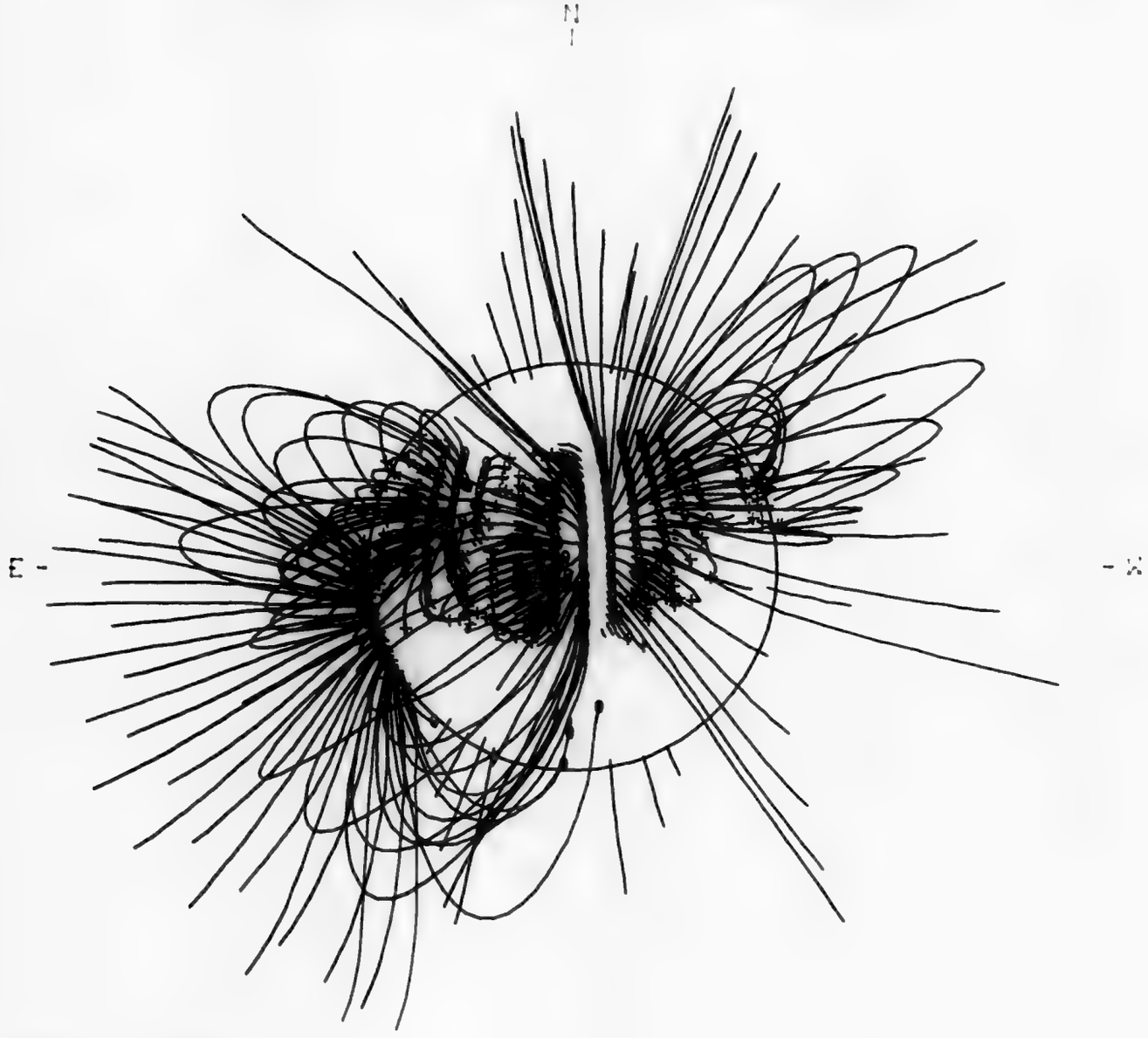
POLES DIRECT

DATA WINDOW 1447.78

ROT. 1447 LONG. 0°

LAT. 26°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

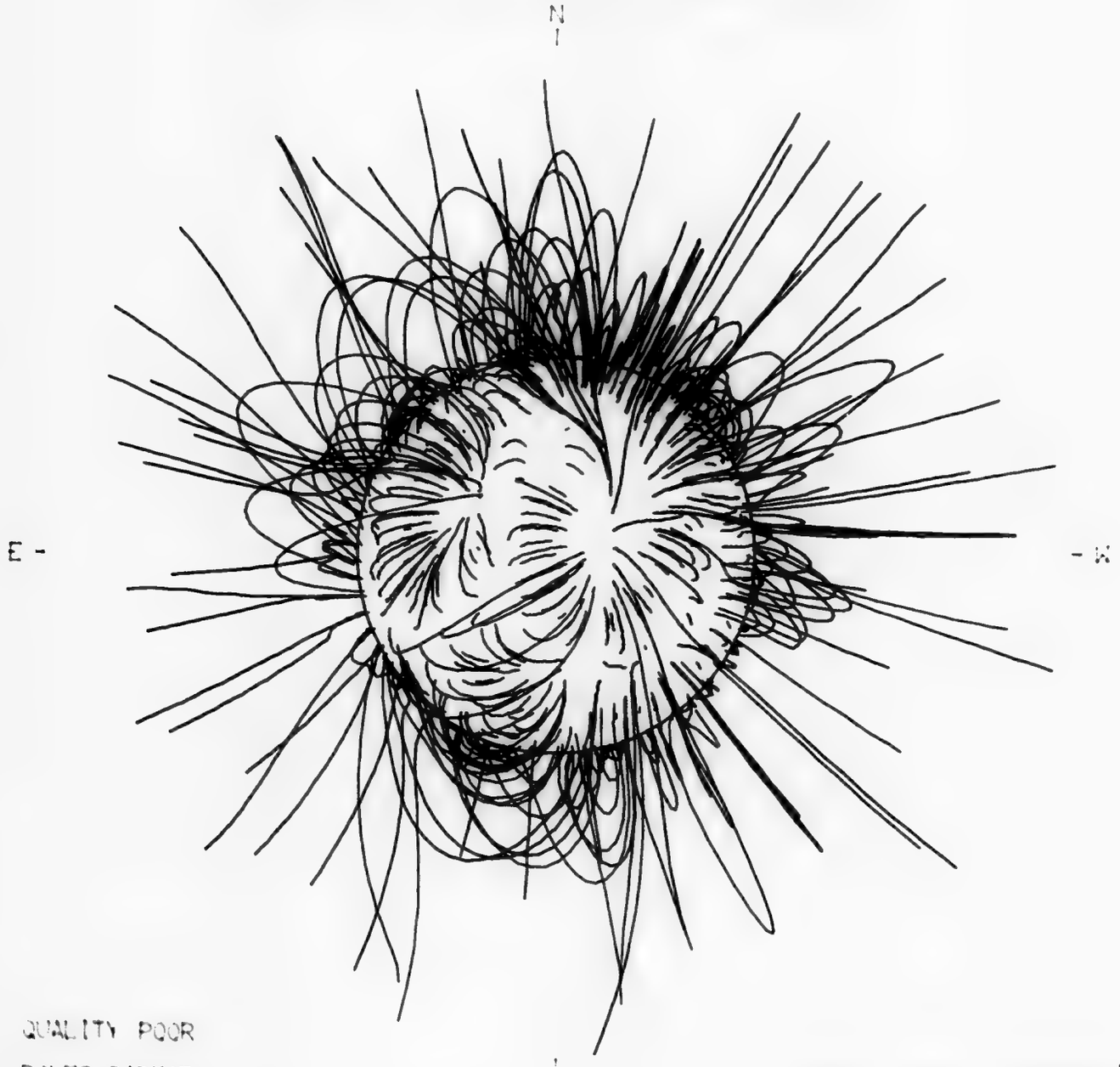
POLES DIRECT

DATA WINDOW 1.1-17.78

R.T. 1447 LONG. 0°

1.1 DEC 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1447.78

ROT. 1448 LONG. 350°

19 DEC 1961

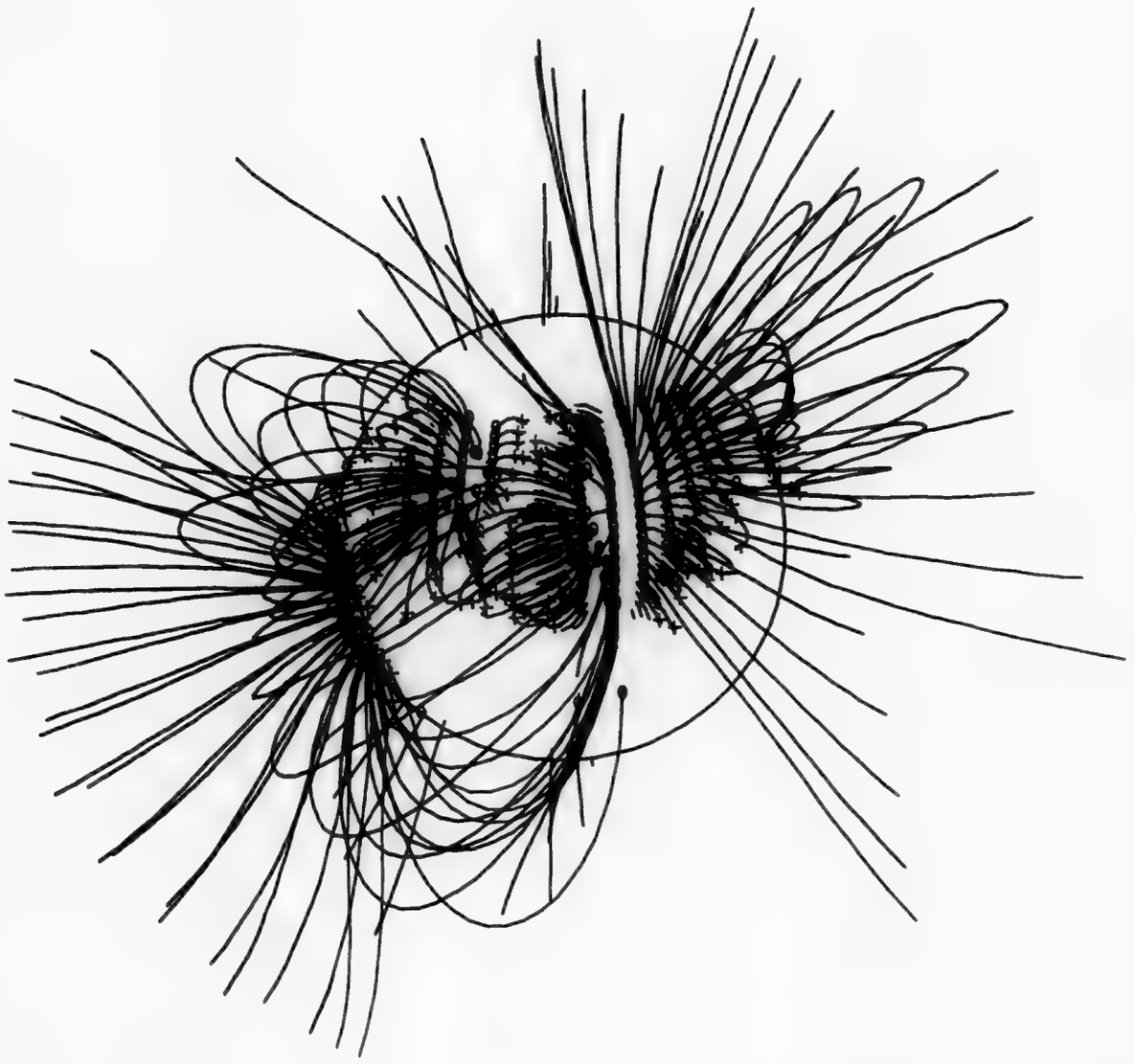
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

POLES DIRECT

DATA WINDOW 1447.78

ROT. 1448 LONG. 355°

1.9 DEG 195°

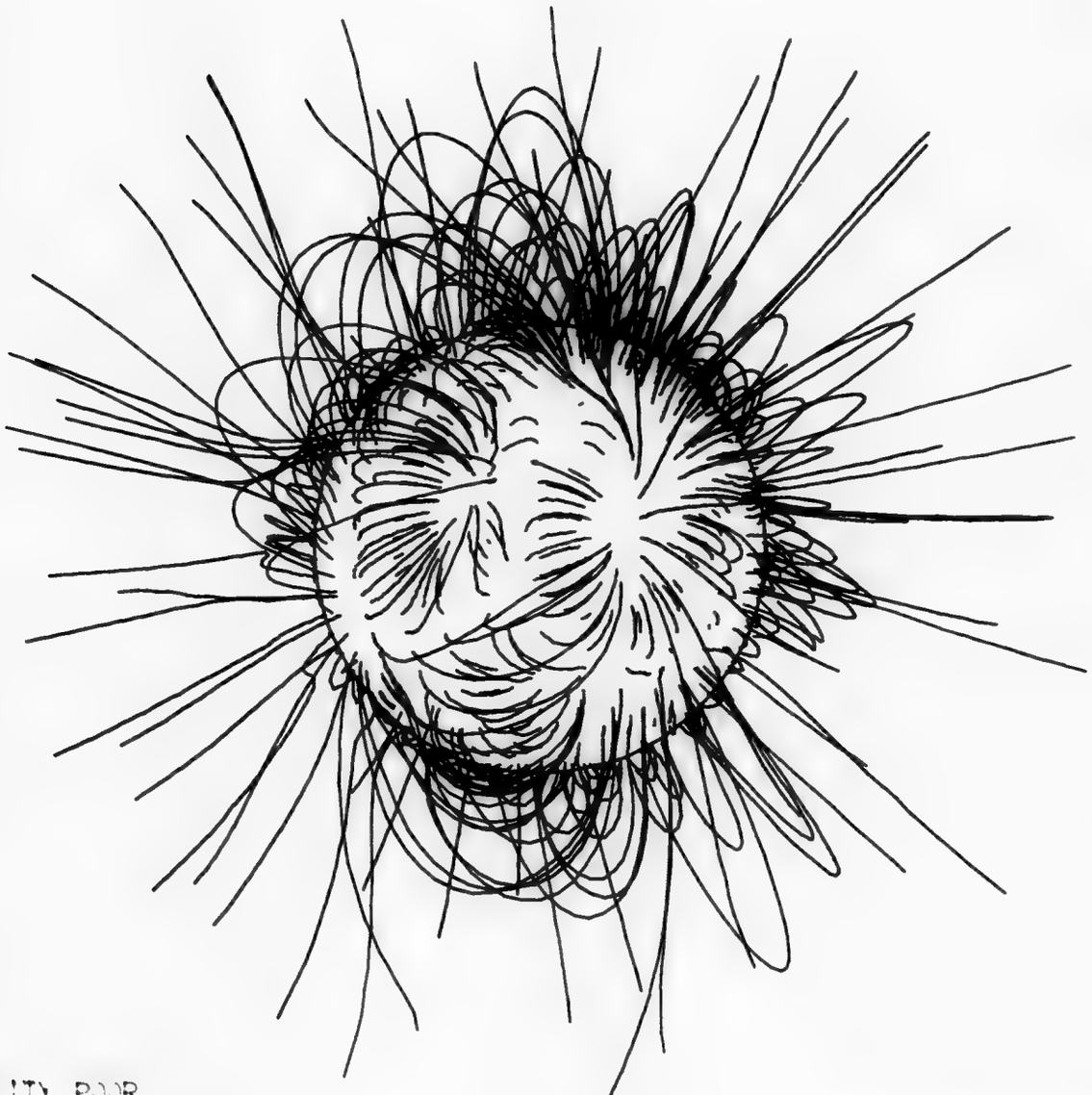
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

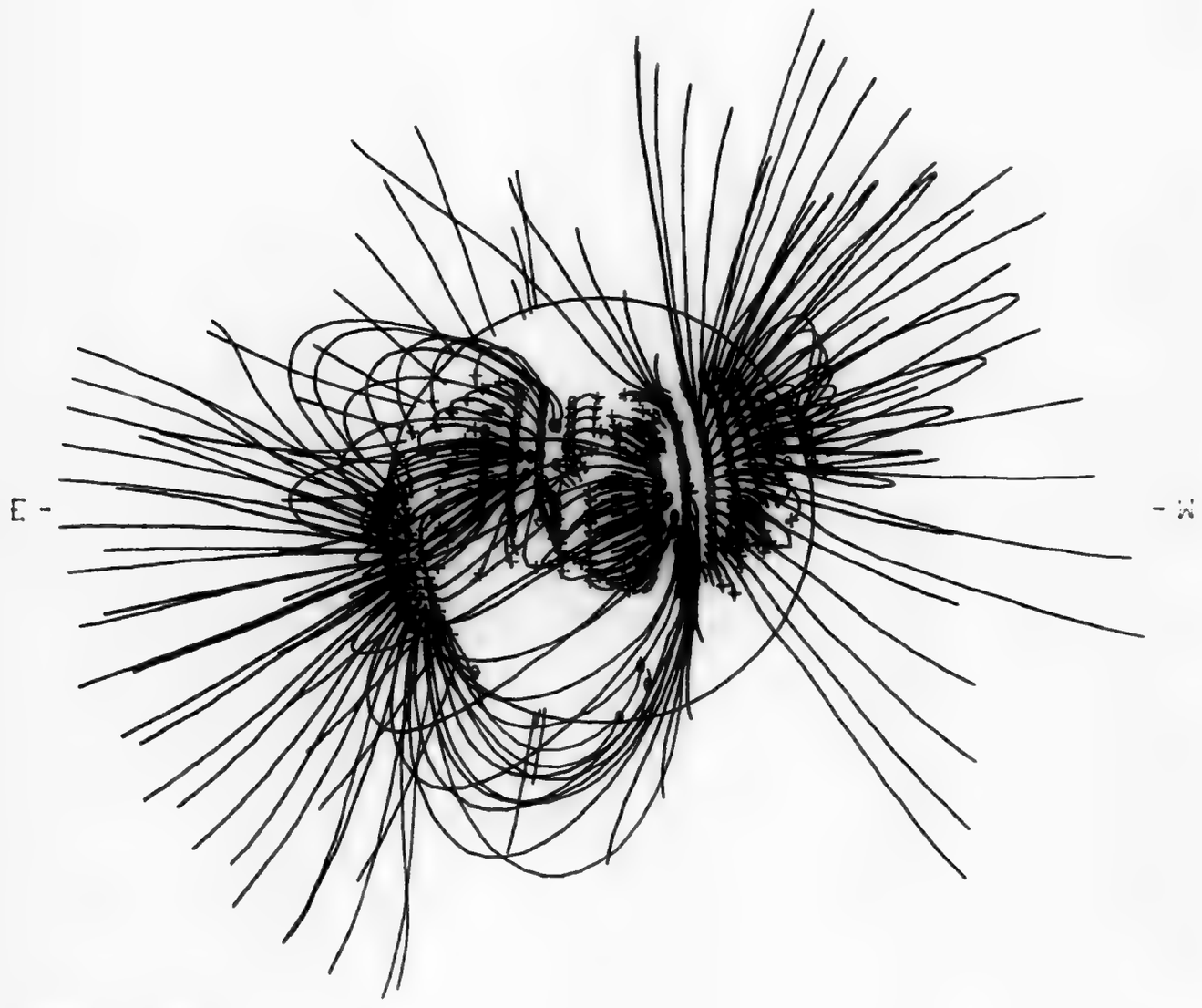
POLES DIRECT

DATA WINDOW 1447.78

ROT. 1448 LONG. 340°

27 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1447.78

ROT. 1448 LONG. 340°

2.7 DEC '96

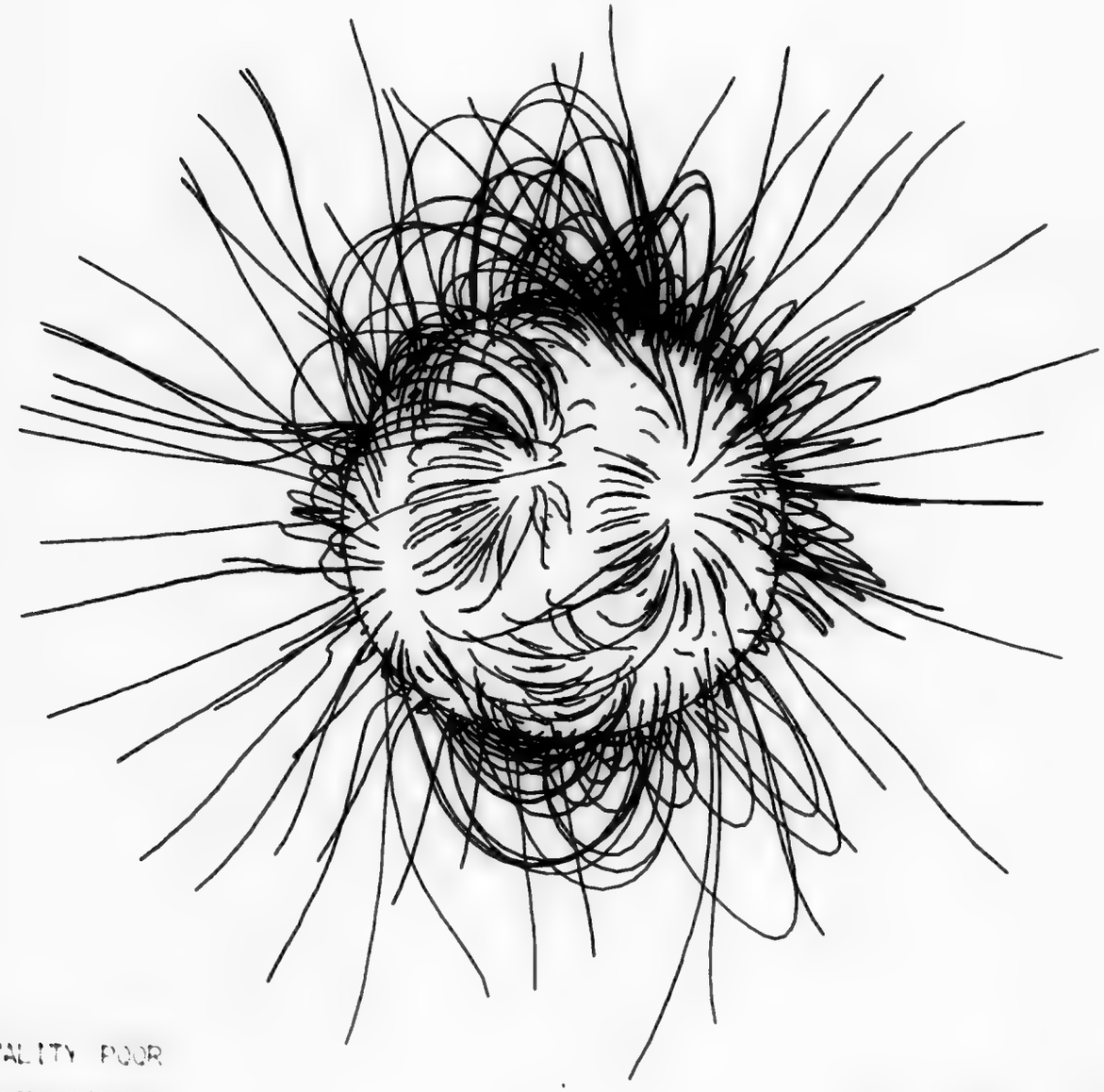
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

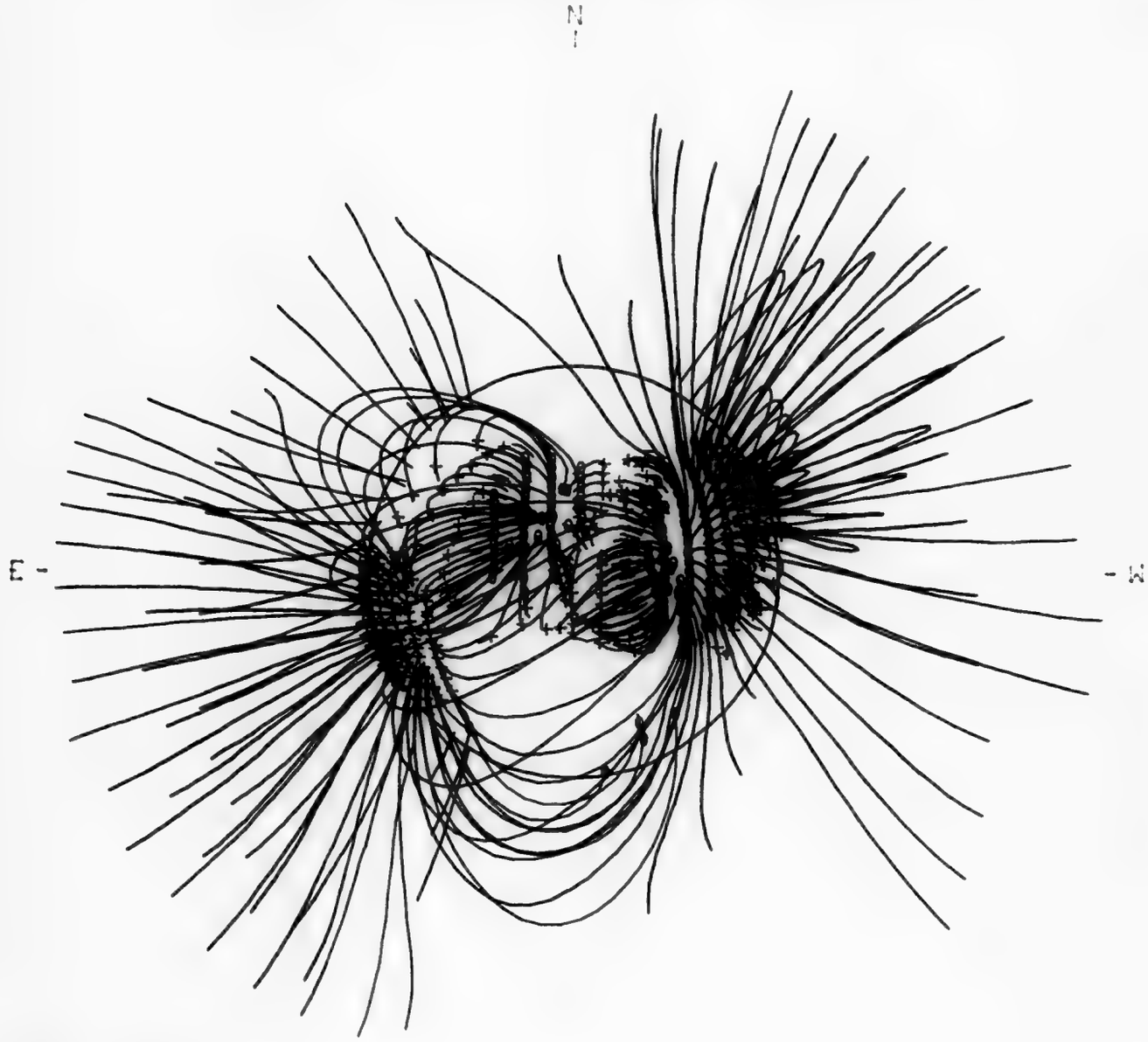
POLES DIRECT

DATA WINDOW 1437,78

ROT. 1448 LONG. 33[illegible]°

3.4 [illegible] 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

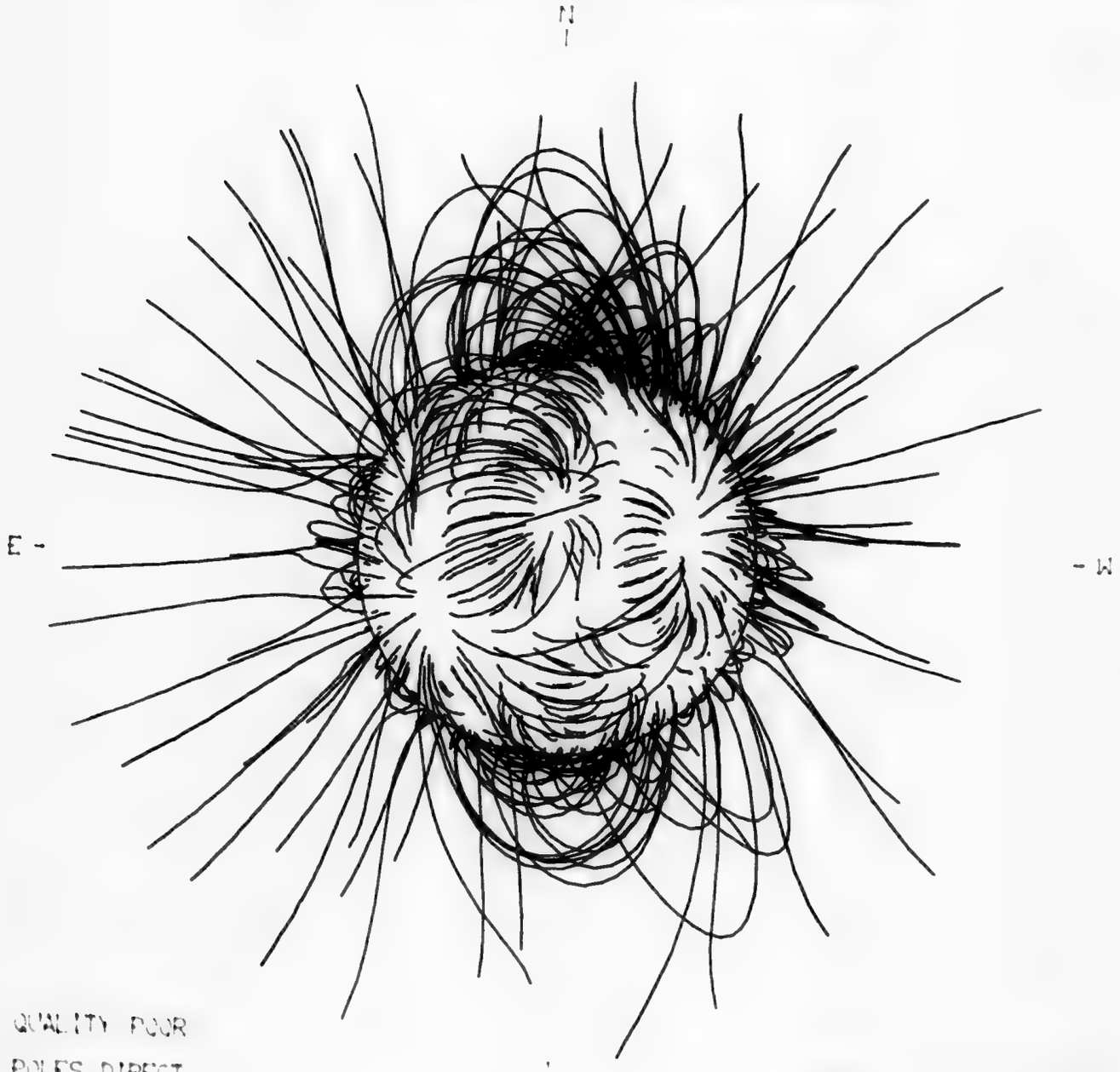
POLES DIRECT

DATA WINDOW 1447.78

ROT. 1448 LONG. 330°

3.4 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

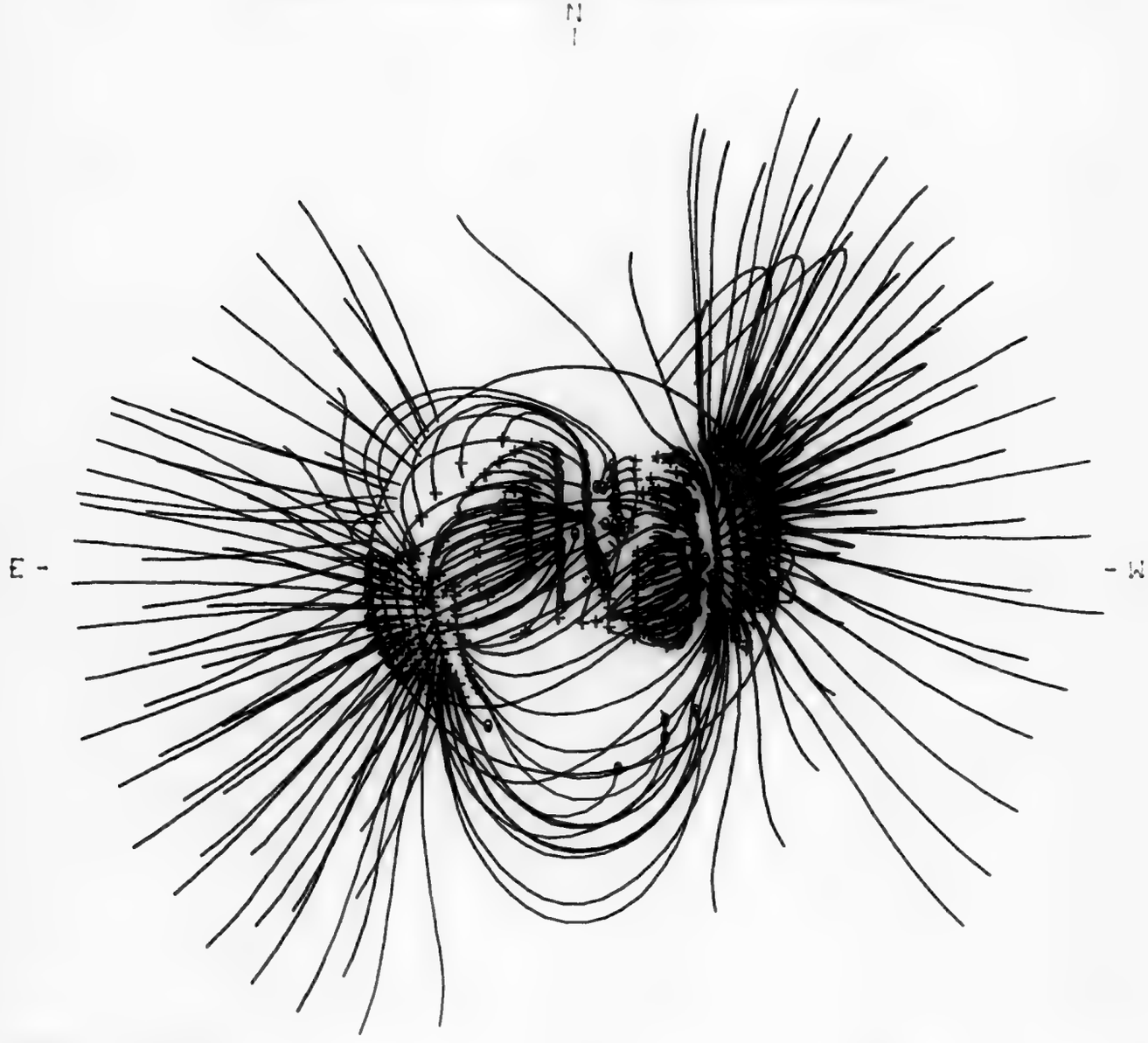
POLES DIRECT

DATA WINDOW 1447,78

ROT. 1448 [illegible]

4.2 DEG [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

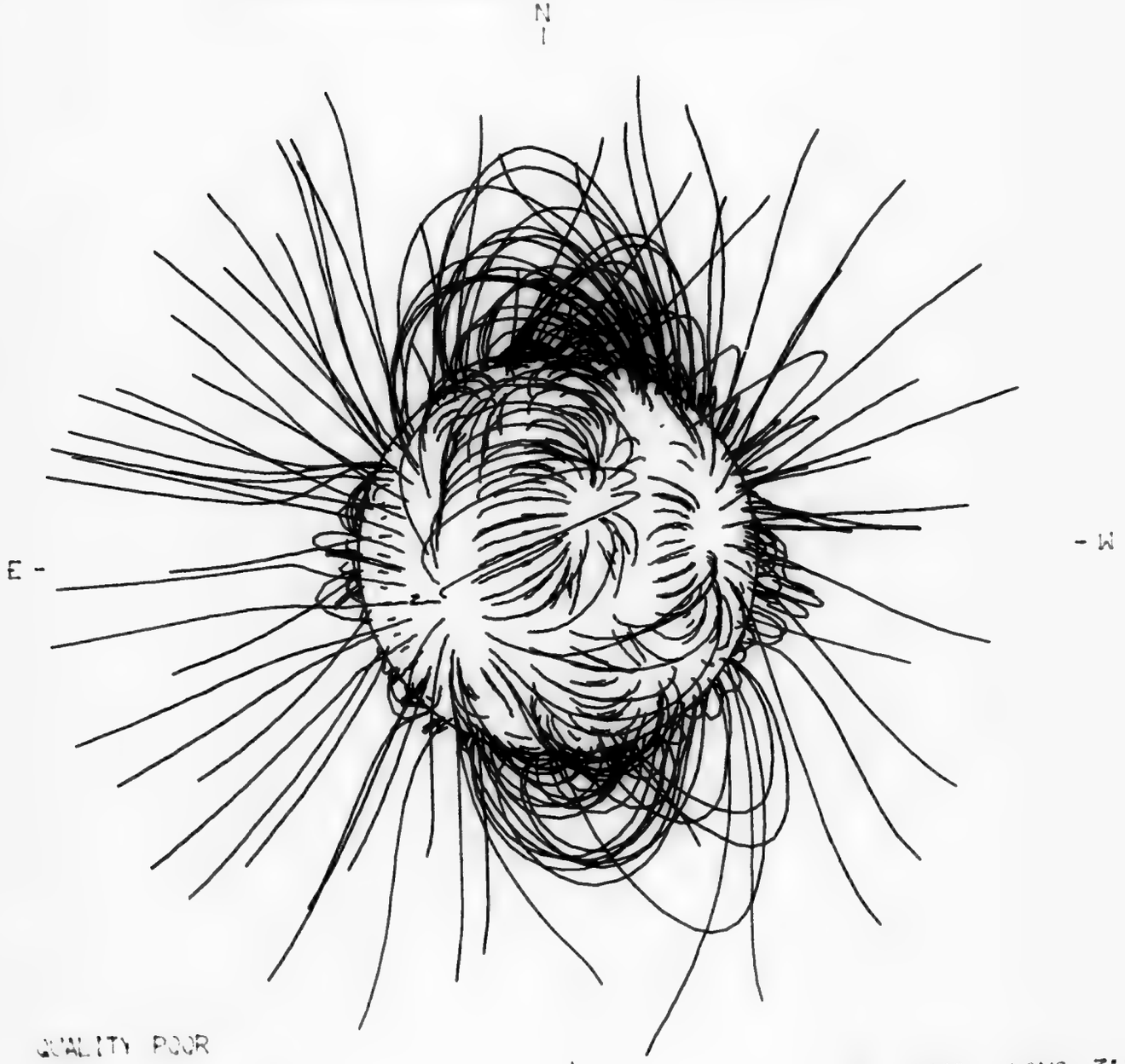
POLES DIRECT

DATA WINDOW 1447.78

ROT. 1448 LONG. 320°

4.2 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1447.78

ROT. 1448 LONG. 3°.0

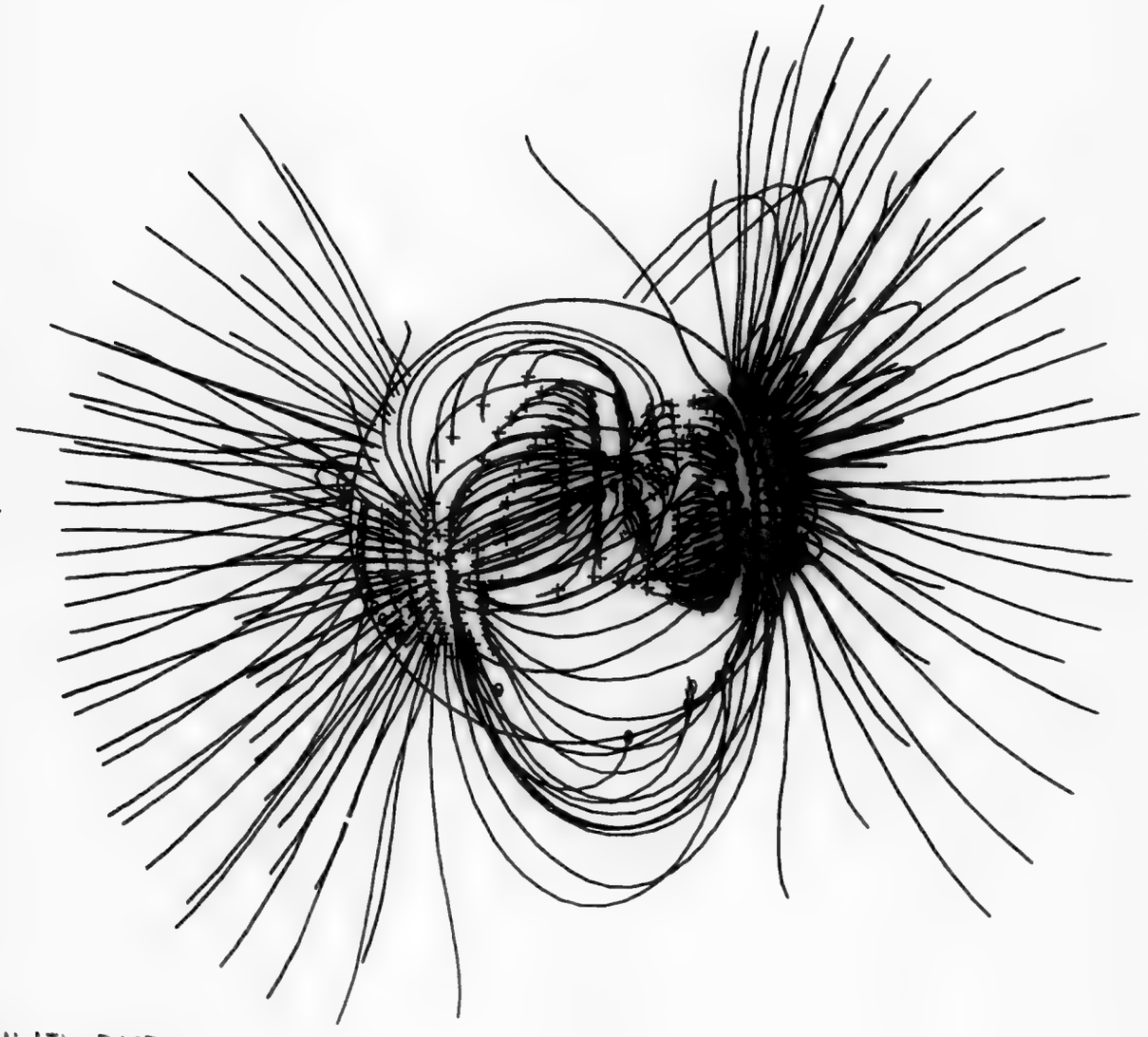
4.9 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

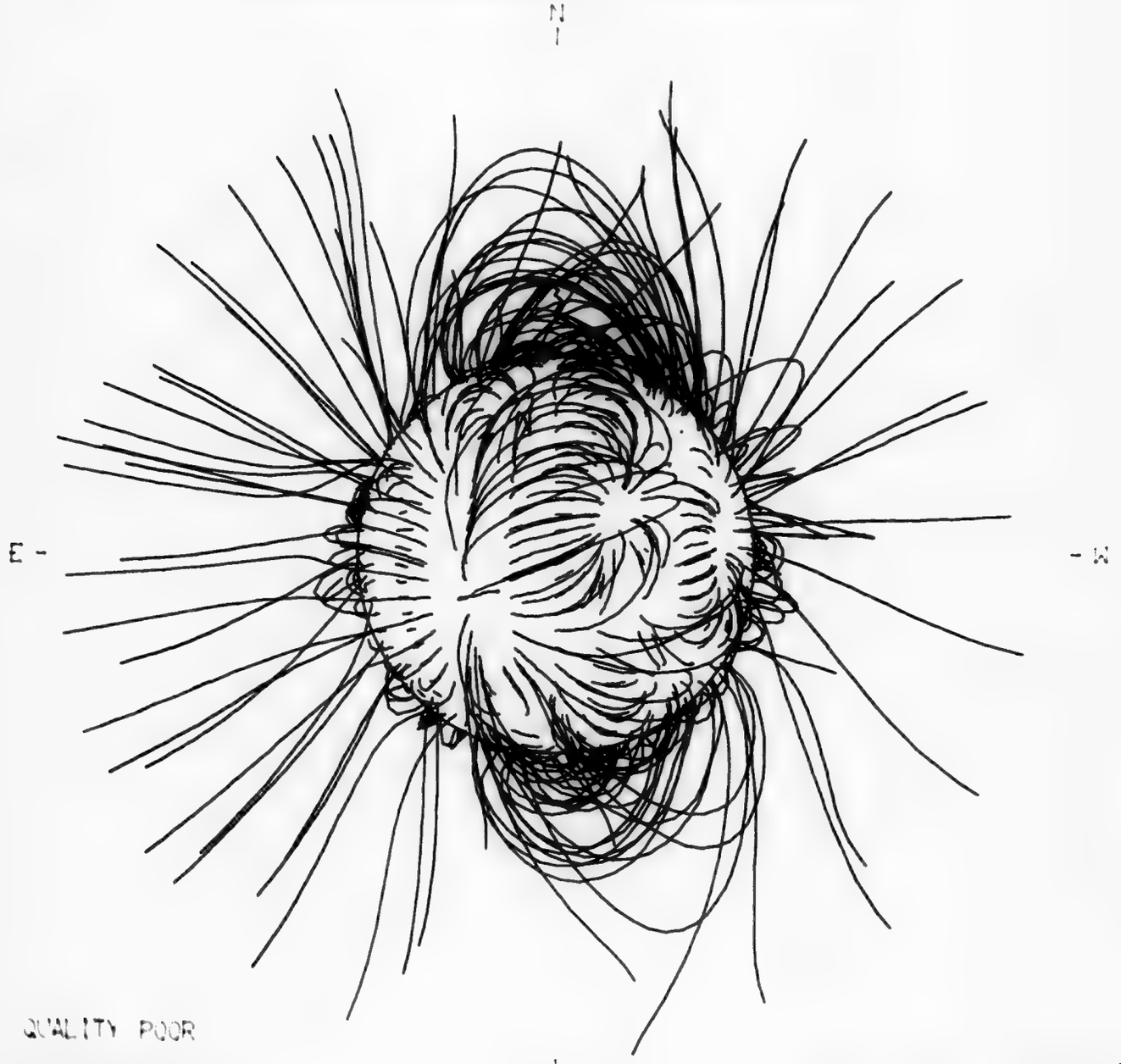
POLES DIRECT

DATA WINDOW 1447.78

ROT. 1448 LONG. 31[illegible]°

4.9 DEC [illegible]°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

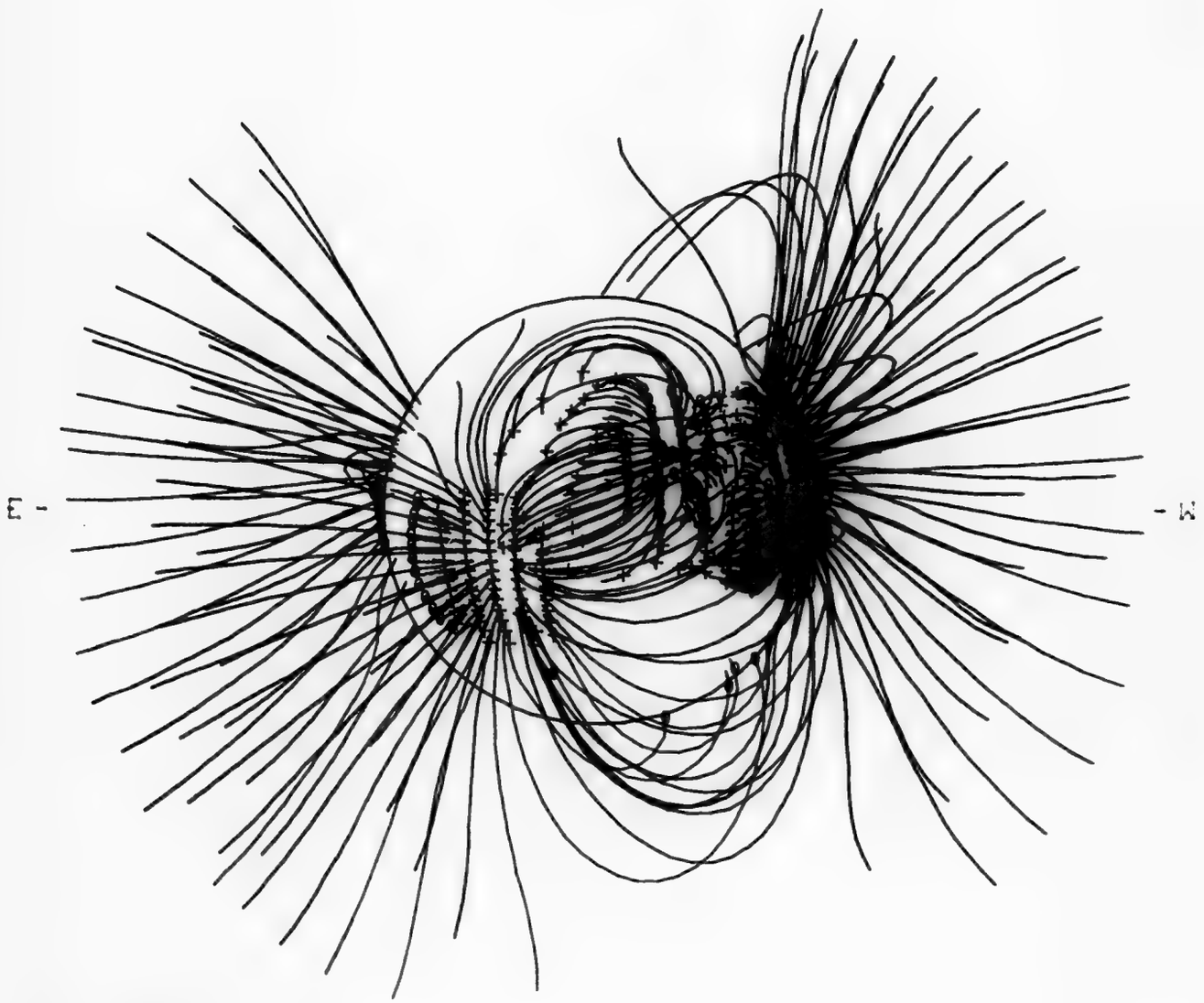
POLES DIRECT

DATA WINDOW 1447,78

ROT. 1448 LONG. 300°

5.7 DEG

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

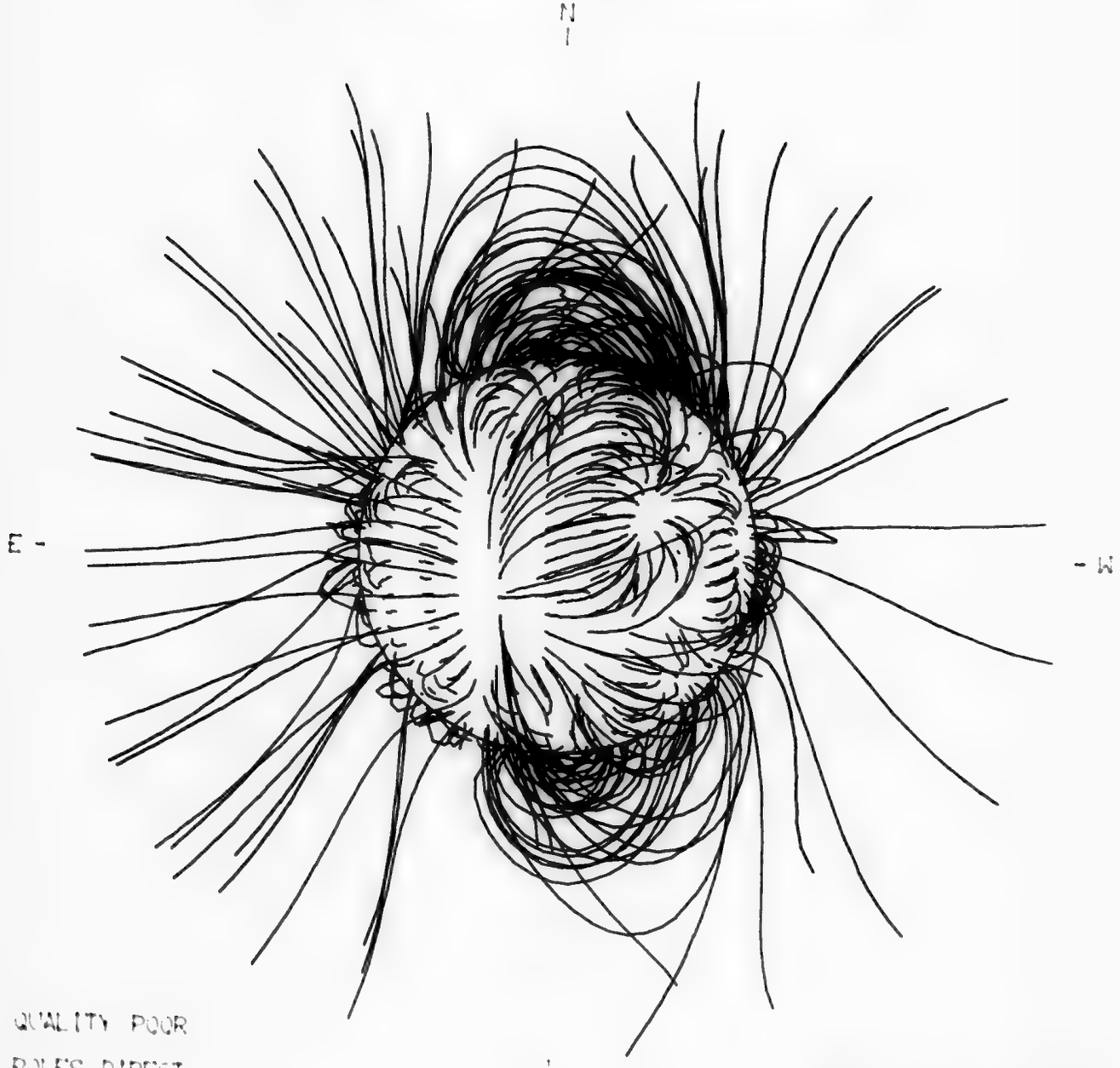
POLES DIRECT

DATA WINDOW 1447,78

ROT. 1448 LONG. 301°

5,7 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

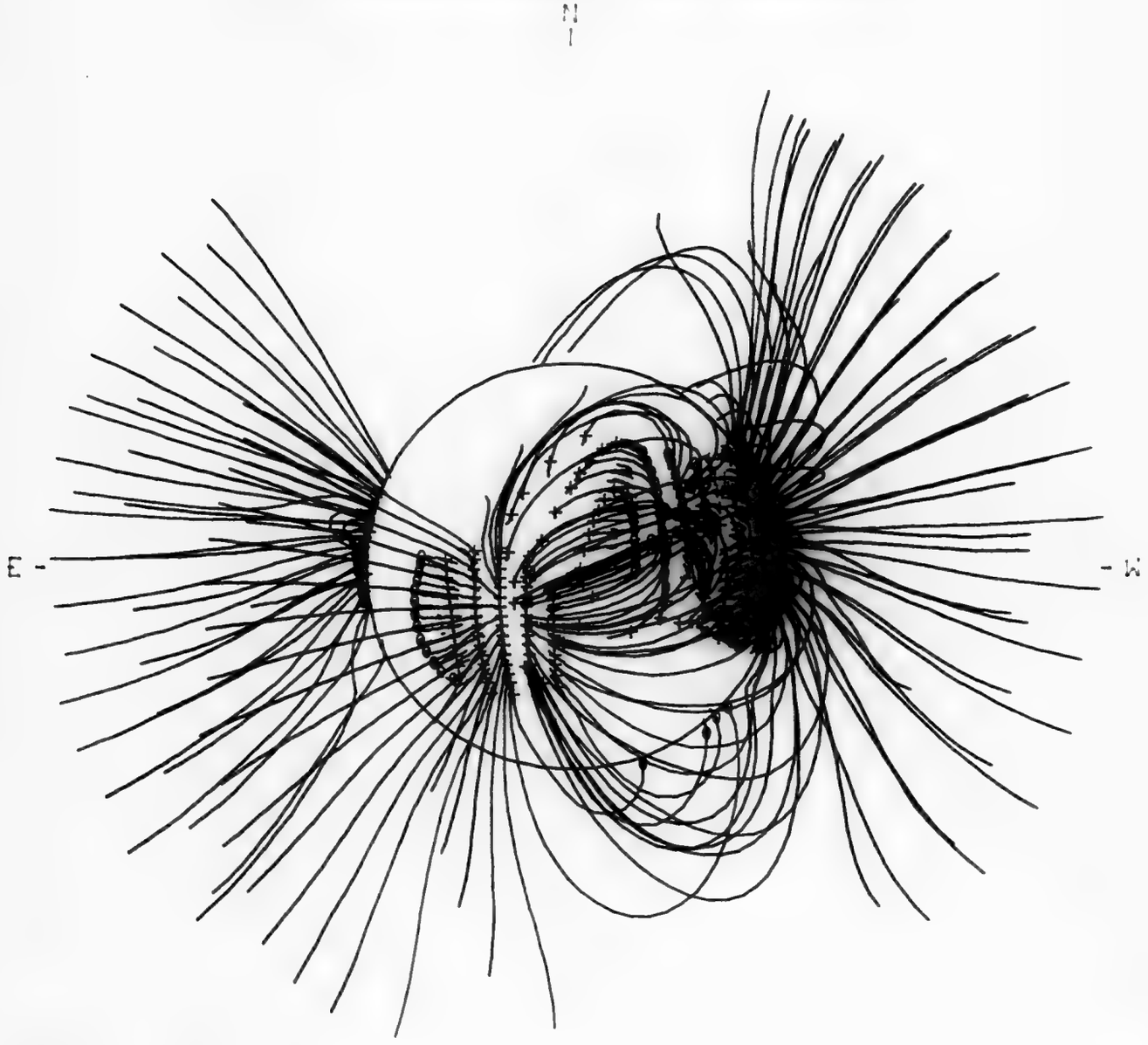
POLES DIRECT

DATA WINDOW 1447.78

ROT. 1448 LONG. 236°

6.4 DEG 1.051

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

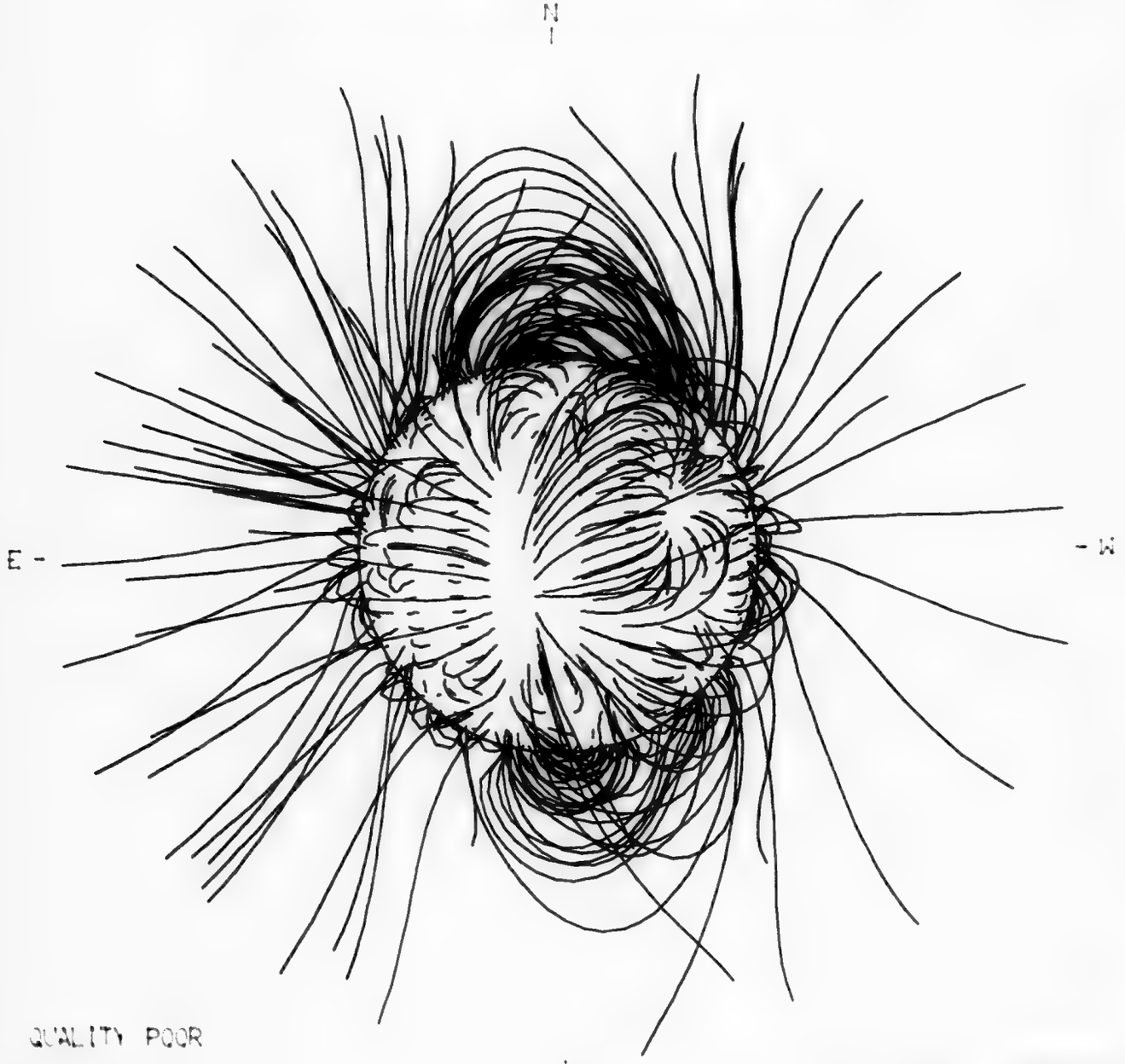
POLES DIRECT

DATA WINDOW 1447.78

ROT. 1448 L.O.S. 29.°

6.4 DEG 196°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

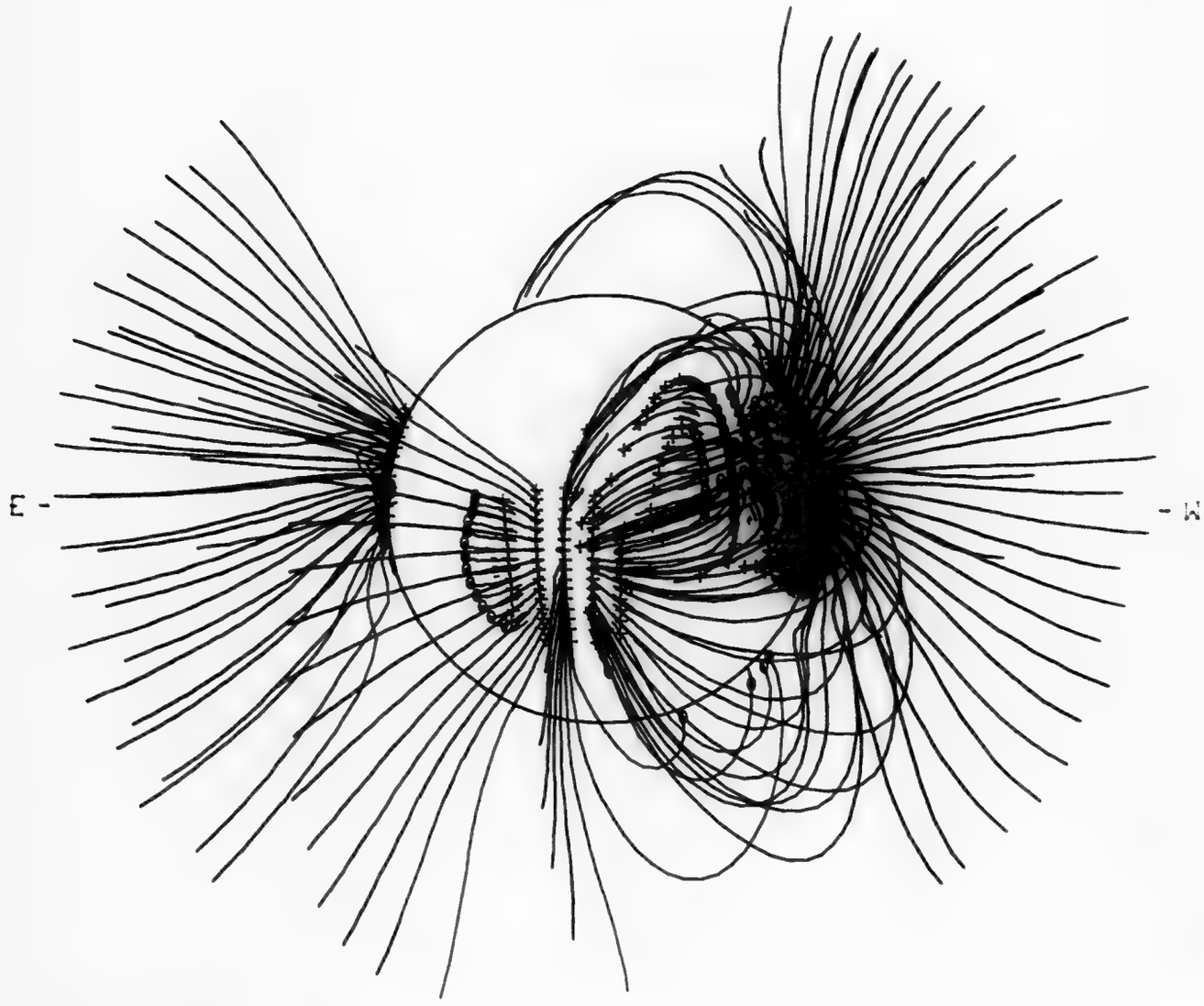
POLES DIRECT

DATA WINDOW 1447.78

ROT. 1448 LONG. 280°

7.2 DEC '96

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

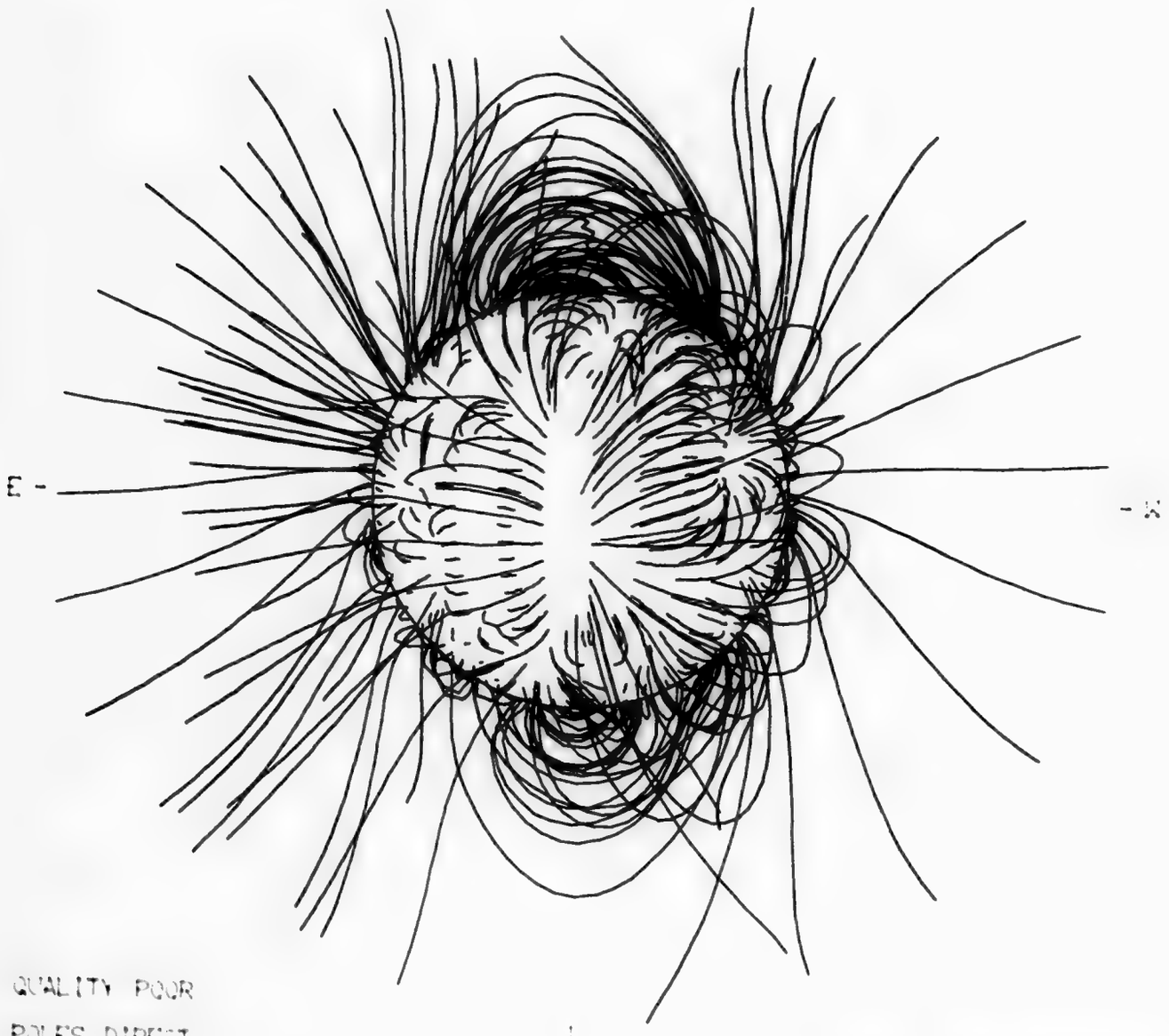
POLES DIRECT

DATA WINDOW 1447.7B

ROT. 1448 LONG. 280°

T.2 SEC 196°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

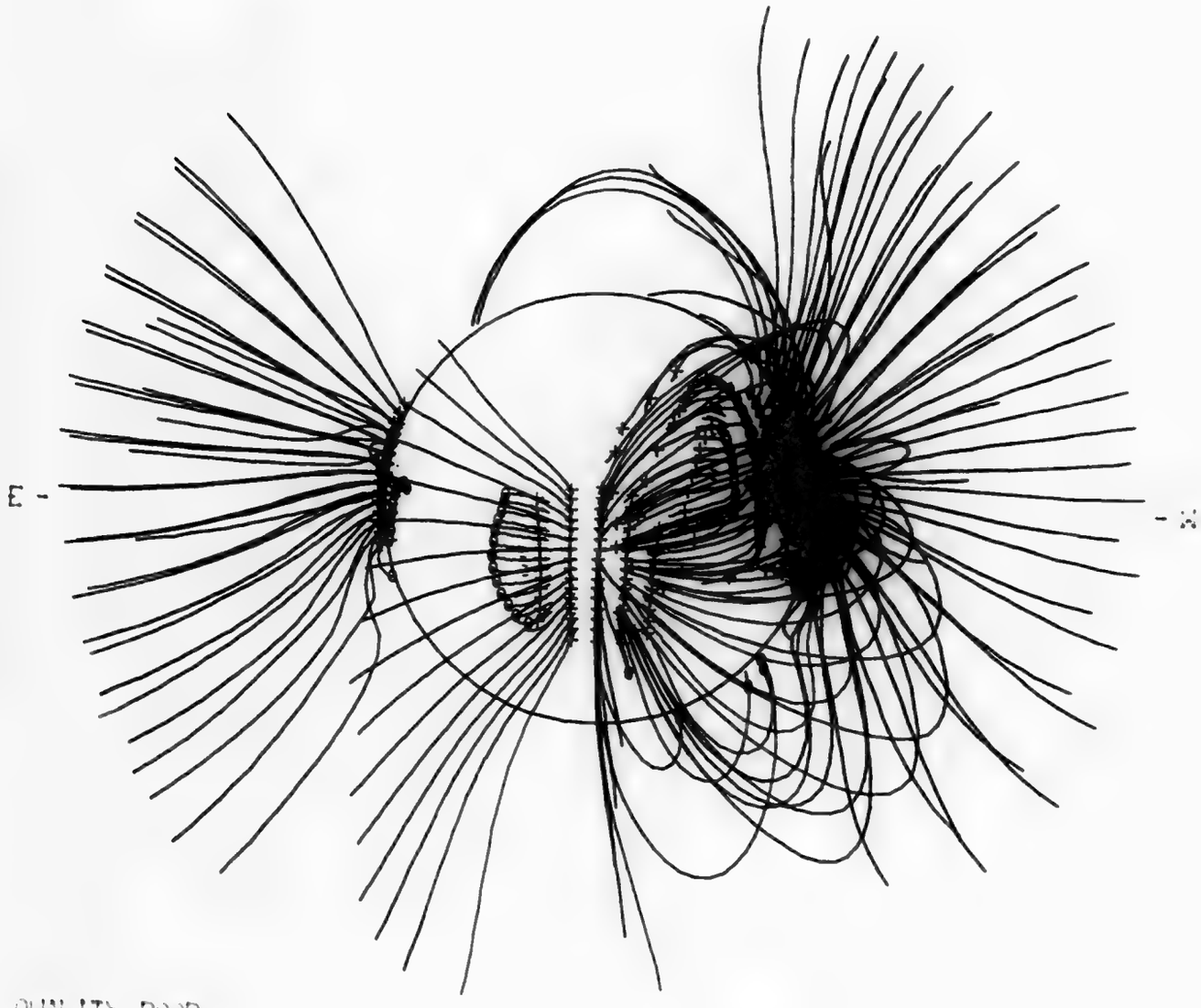
POLES DIRECT

DATA WINDOW 1447.28

ROT. 1448 LONG. 270°

B.C. DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

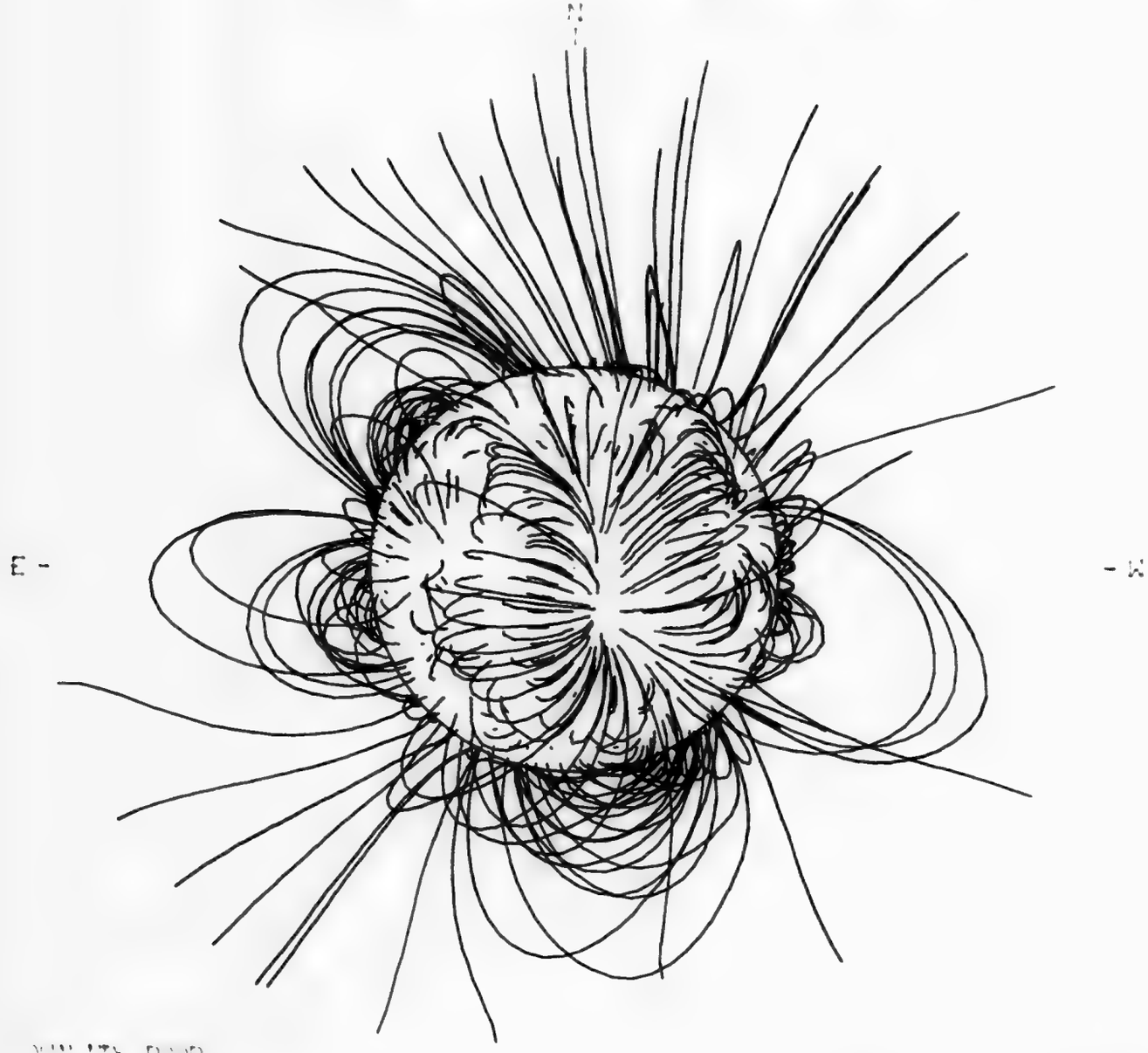
POLES DIRECT

DATA WINDOW 1447.78

ROT. 1448 [illegible]

B.0 DEG [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.00-0.00

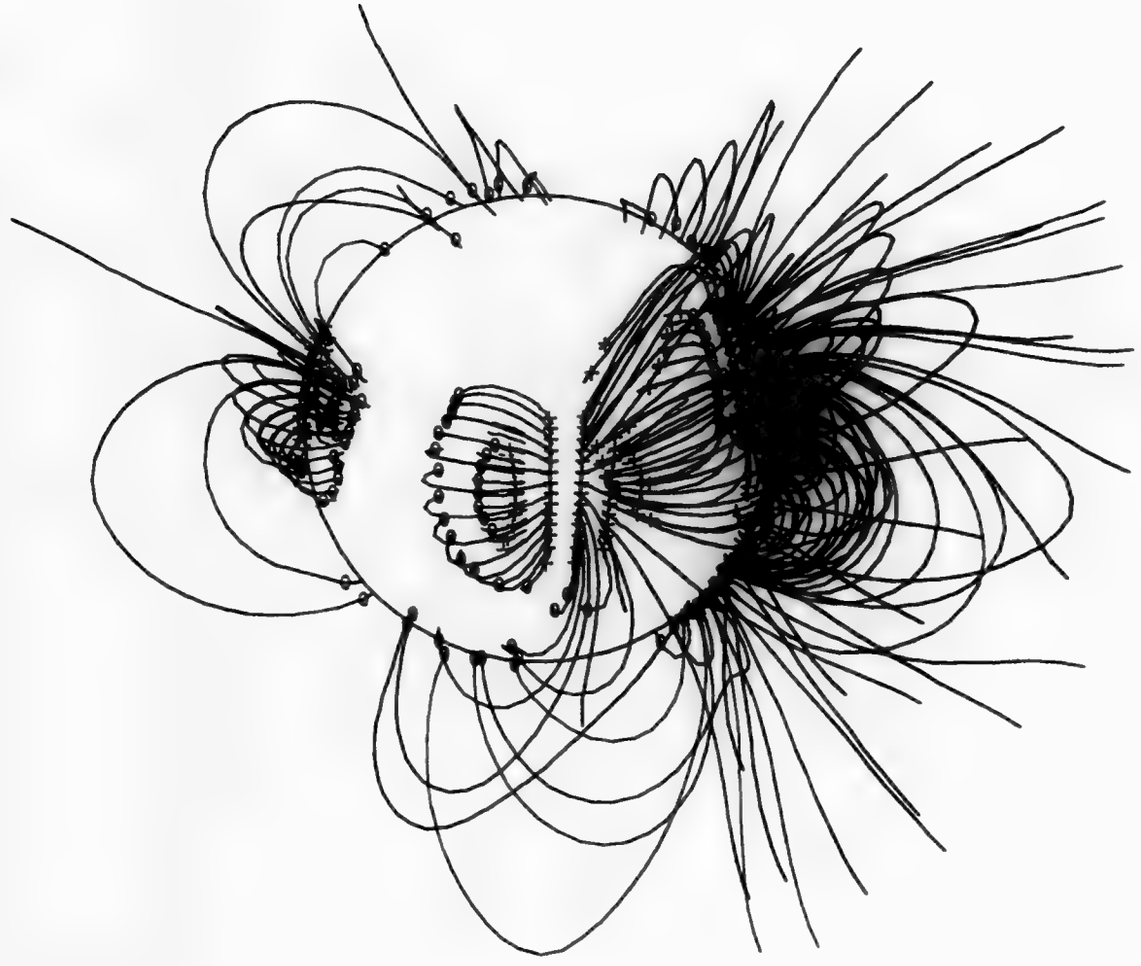
ROT. 1400 LONG. 250°

B.T. DEG 1.45°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

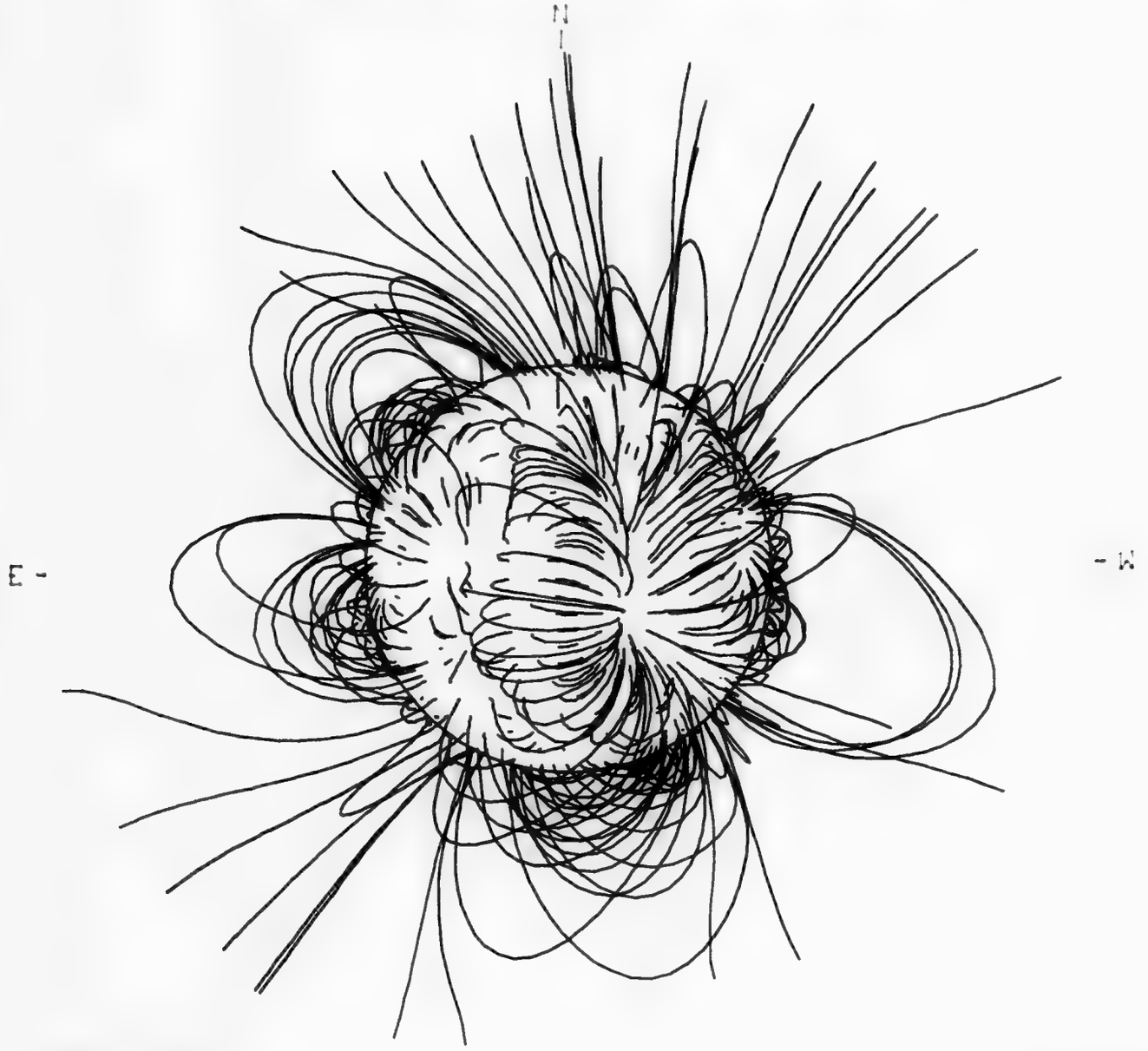
POLES DIRECT

DATA WINDOW 1448.00

ROT. 1448 LONG. 250°

B.T DEC 1963°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

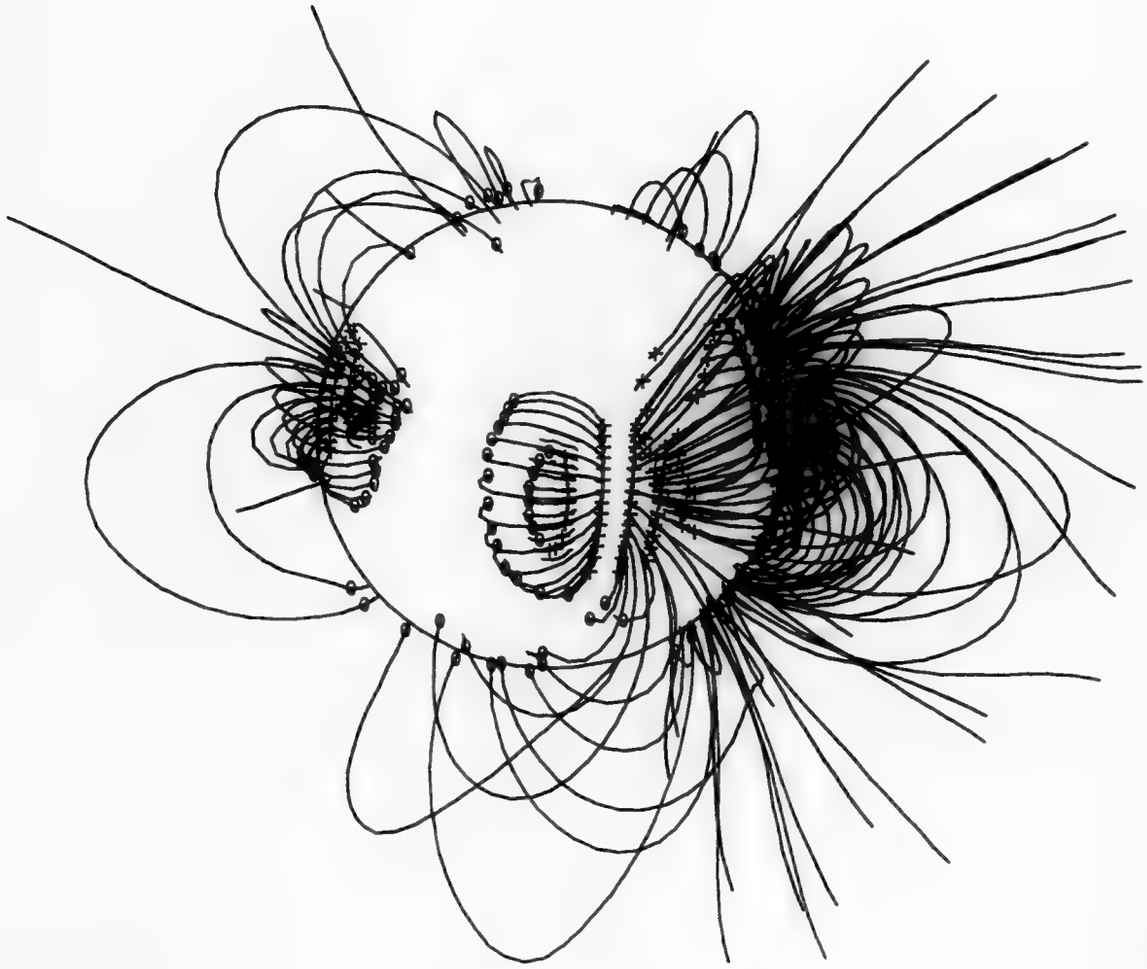
DATA WINDOW 1448.00

ROT. 1448 L.[illegible]3. 25[illegible]

9.5 DEC 196[illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.00

ROT. 1448 LONG. 25°

9.5 DEC 196?

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

QUALITY POOR

POLES DIRECT

DATA WINDOW 1.118.00

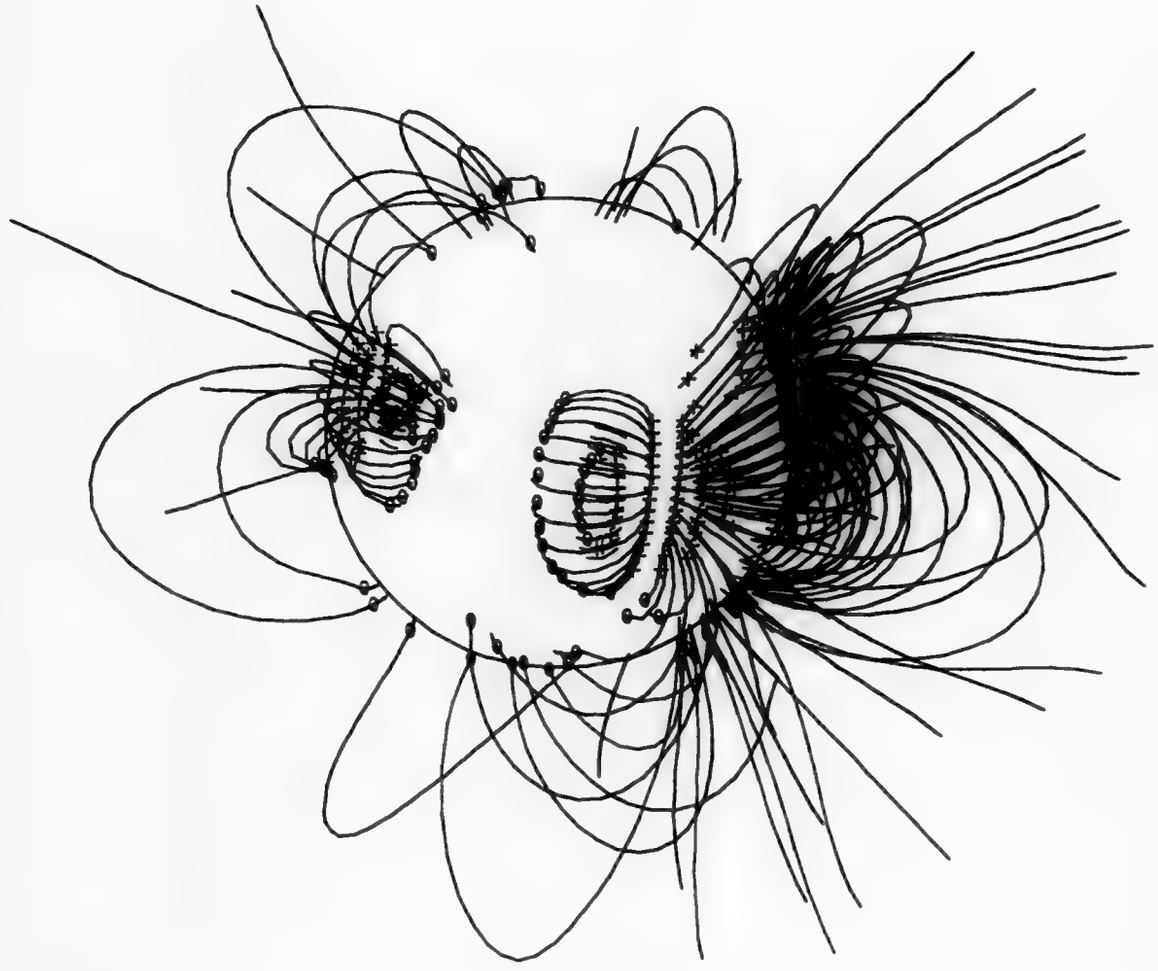
ROT. 1448 LONG. 241°

[illegible] LEC [illegible]°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

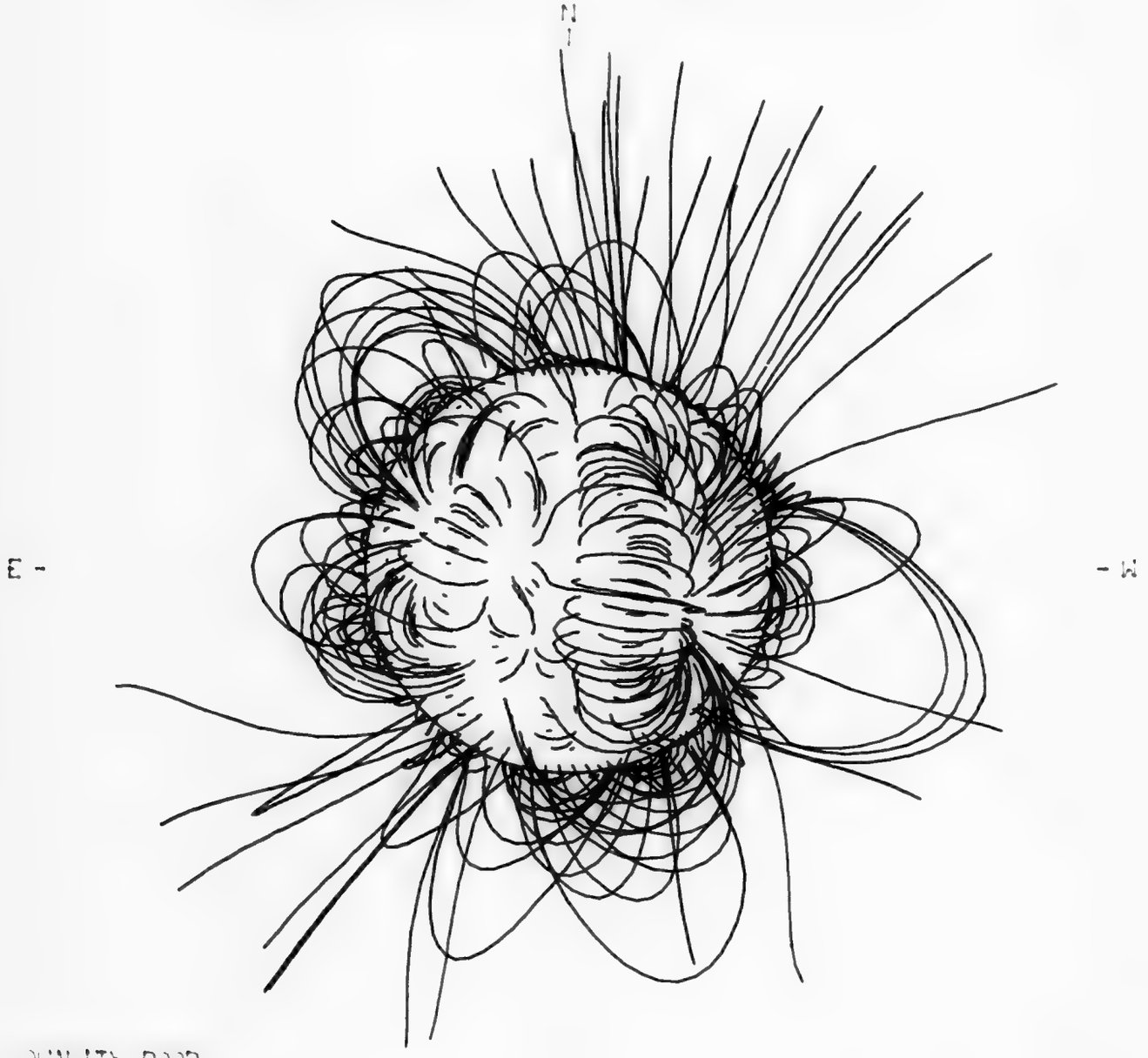
POLES DIRECT

DATA WINDOW 1.0B.00

R.T. 1.0B LONG. 240°

10.2 LAT. 7.5°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

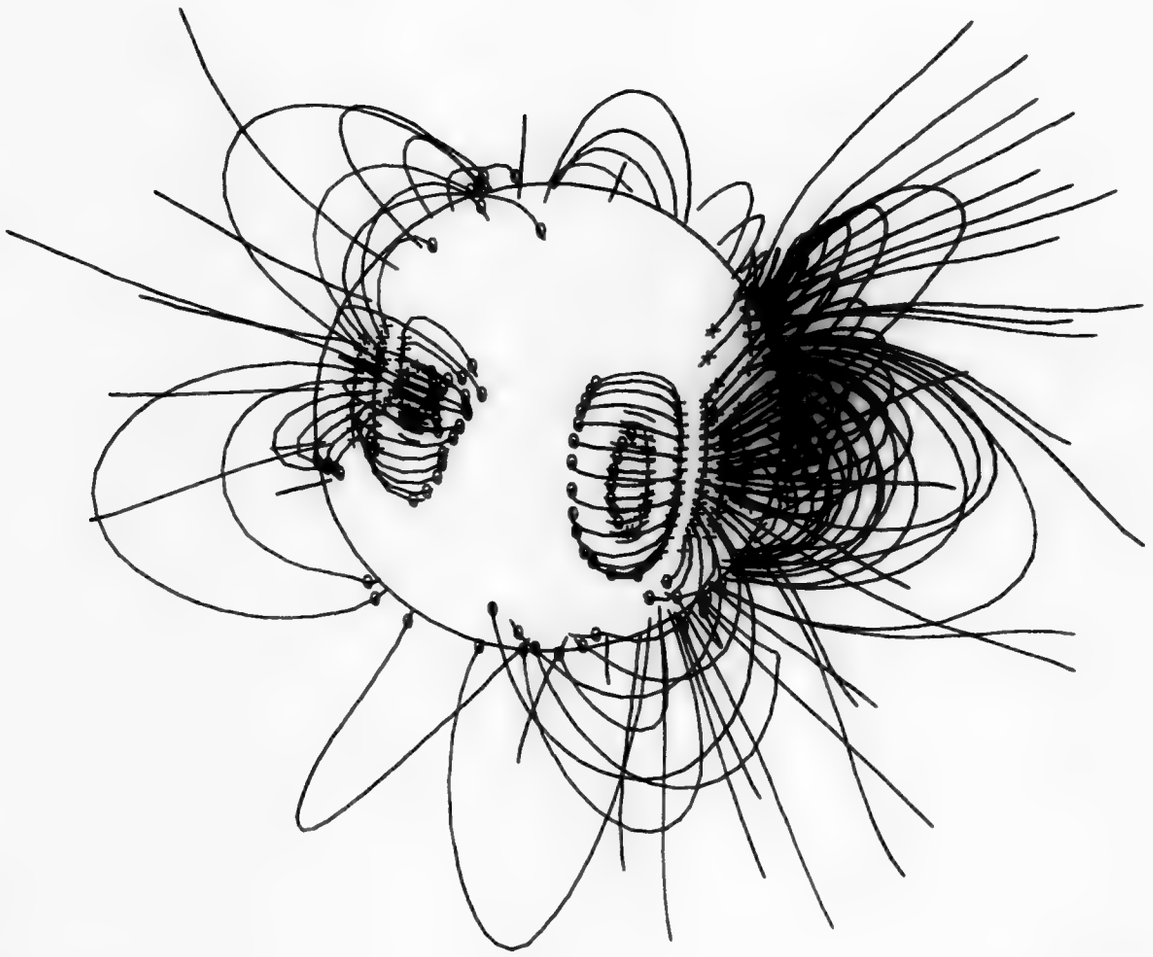
DATA WINDOW 1448.00

ROT. 1448 LONG. 230°

11.0 DEG 196°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.00

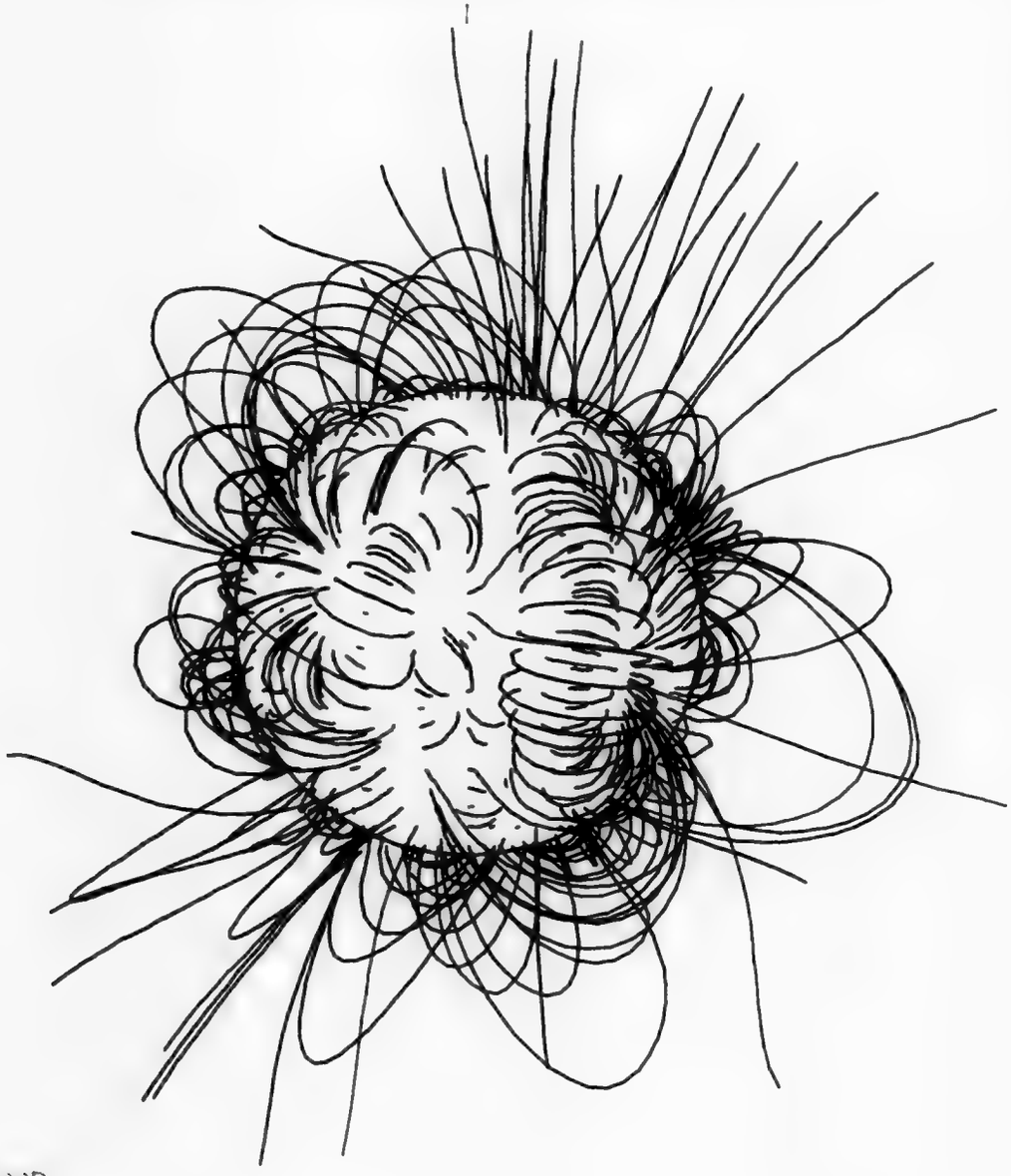
ROT. 1448 LONG. 25°

11.0 DEG 195°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.00

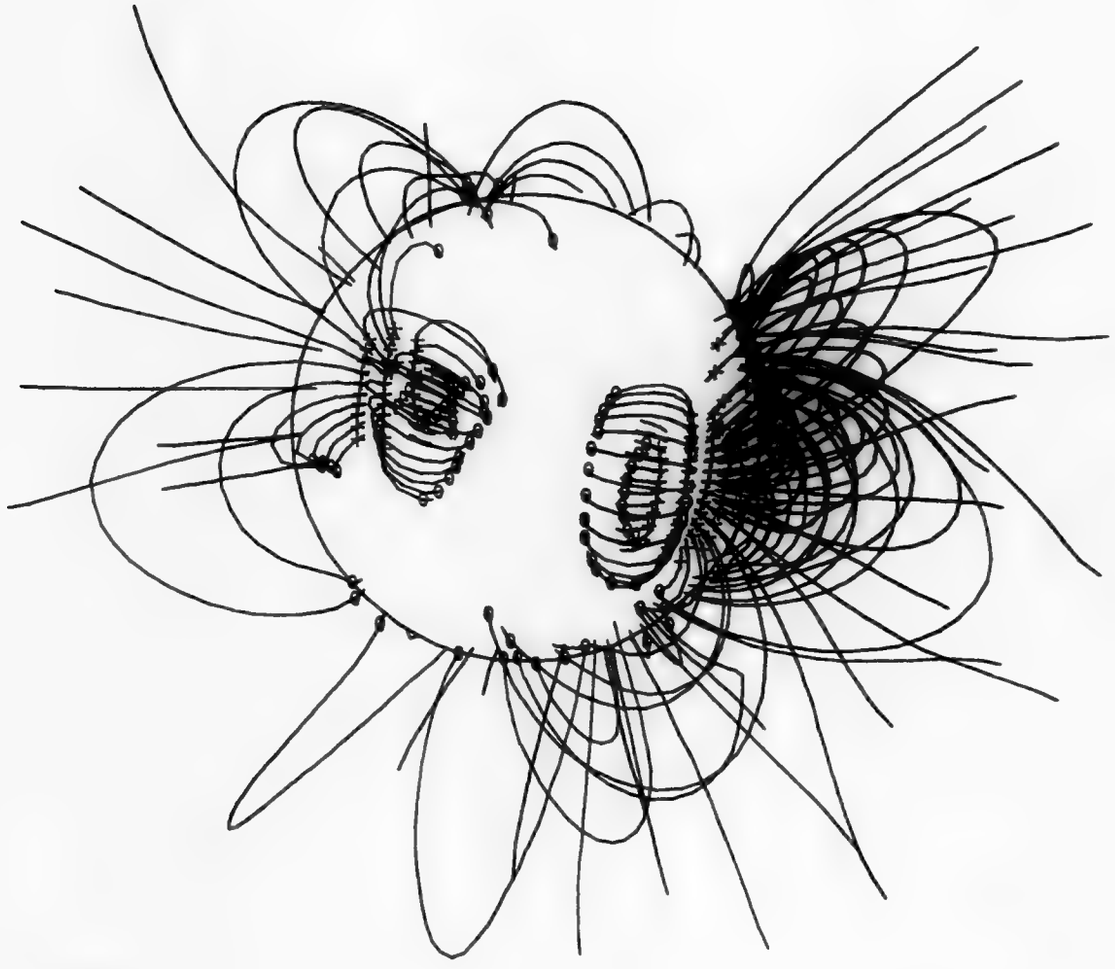
ROT. 1448 LONG. 220°

11.8 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.00

ROT. 1448 LONG. 225°

11.8 DEG 45°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.00

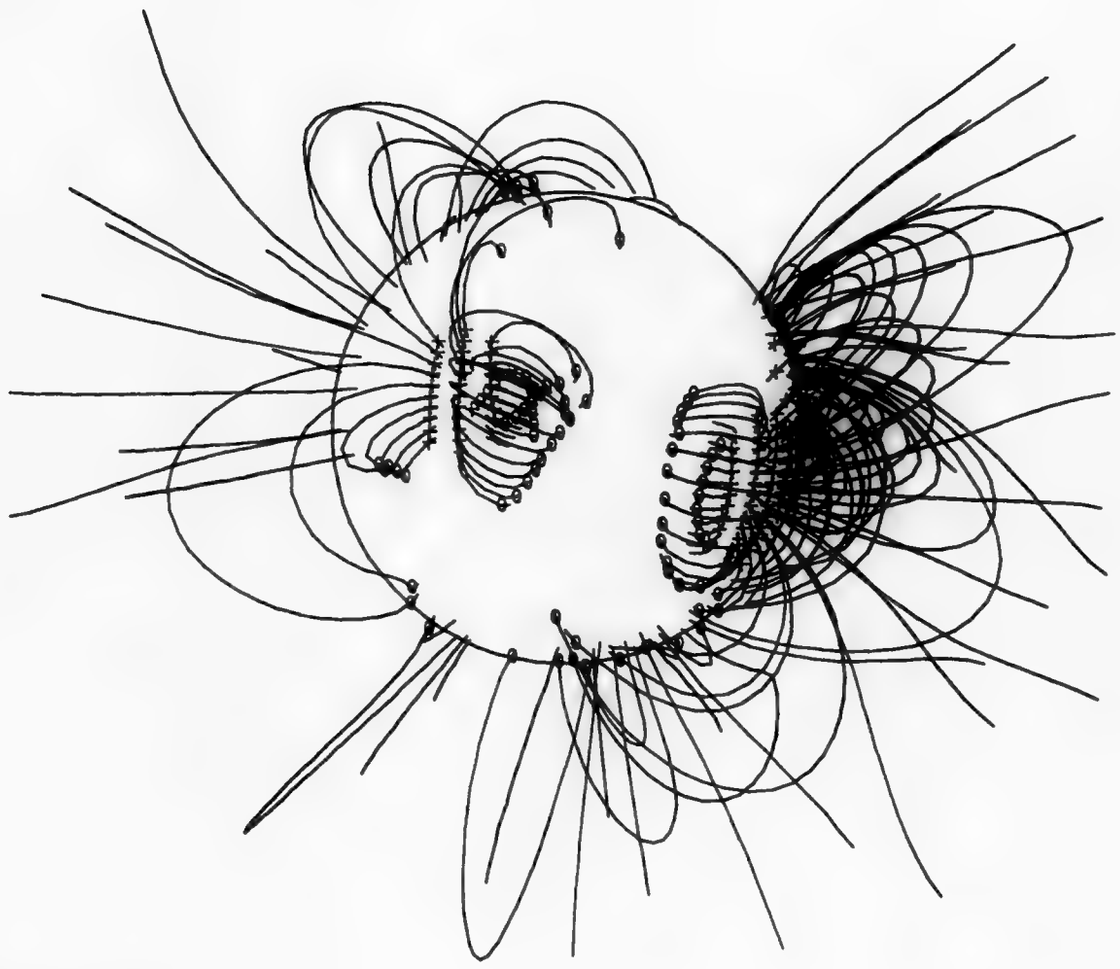
ROT. 1448

12.5 SEC

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

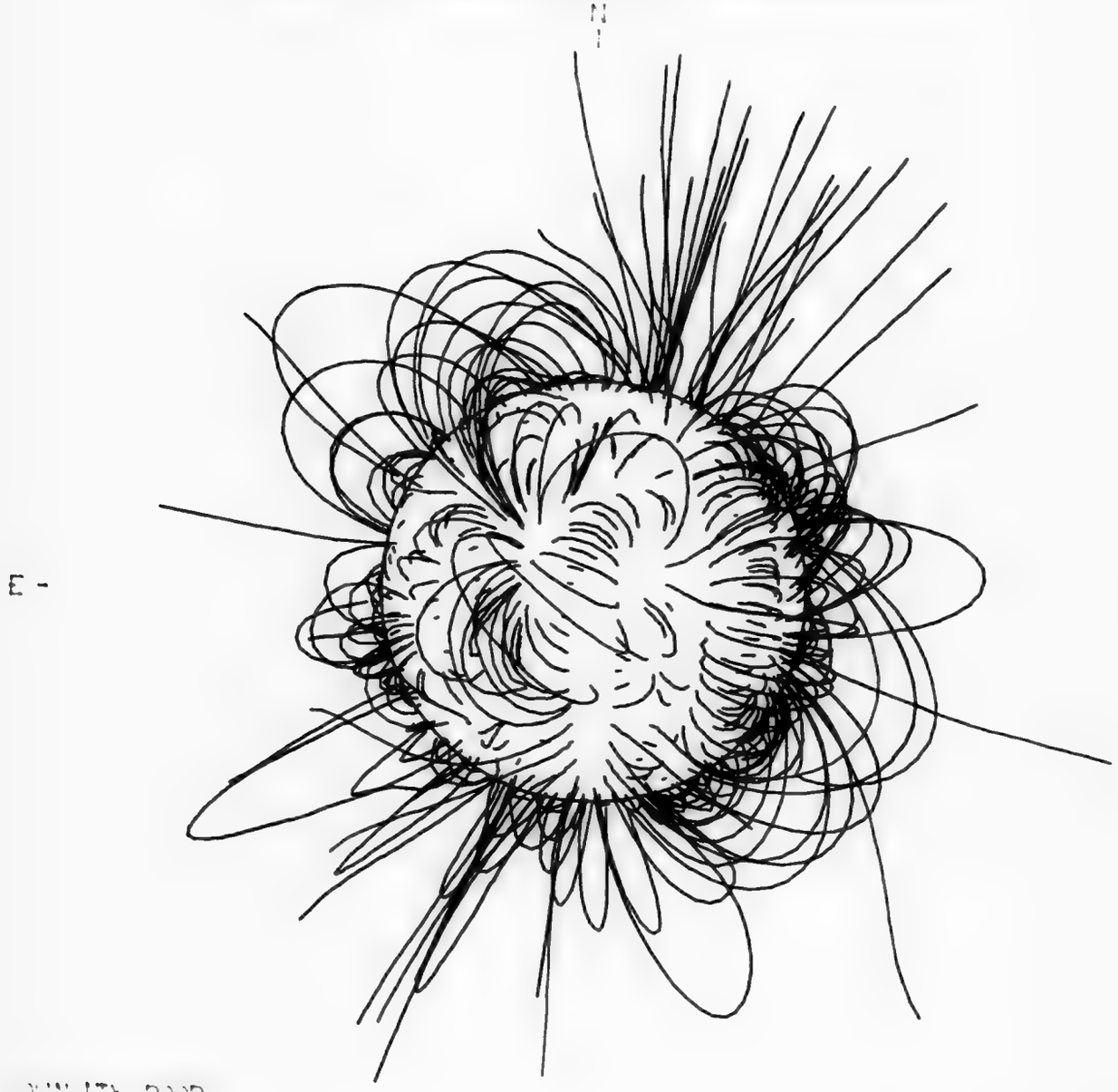
POLES DIRECT

DATA WINDOW 1448.00

ROT. 1448 LONG. 2[illegible]°

12.5 DEC 1[illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

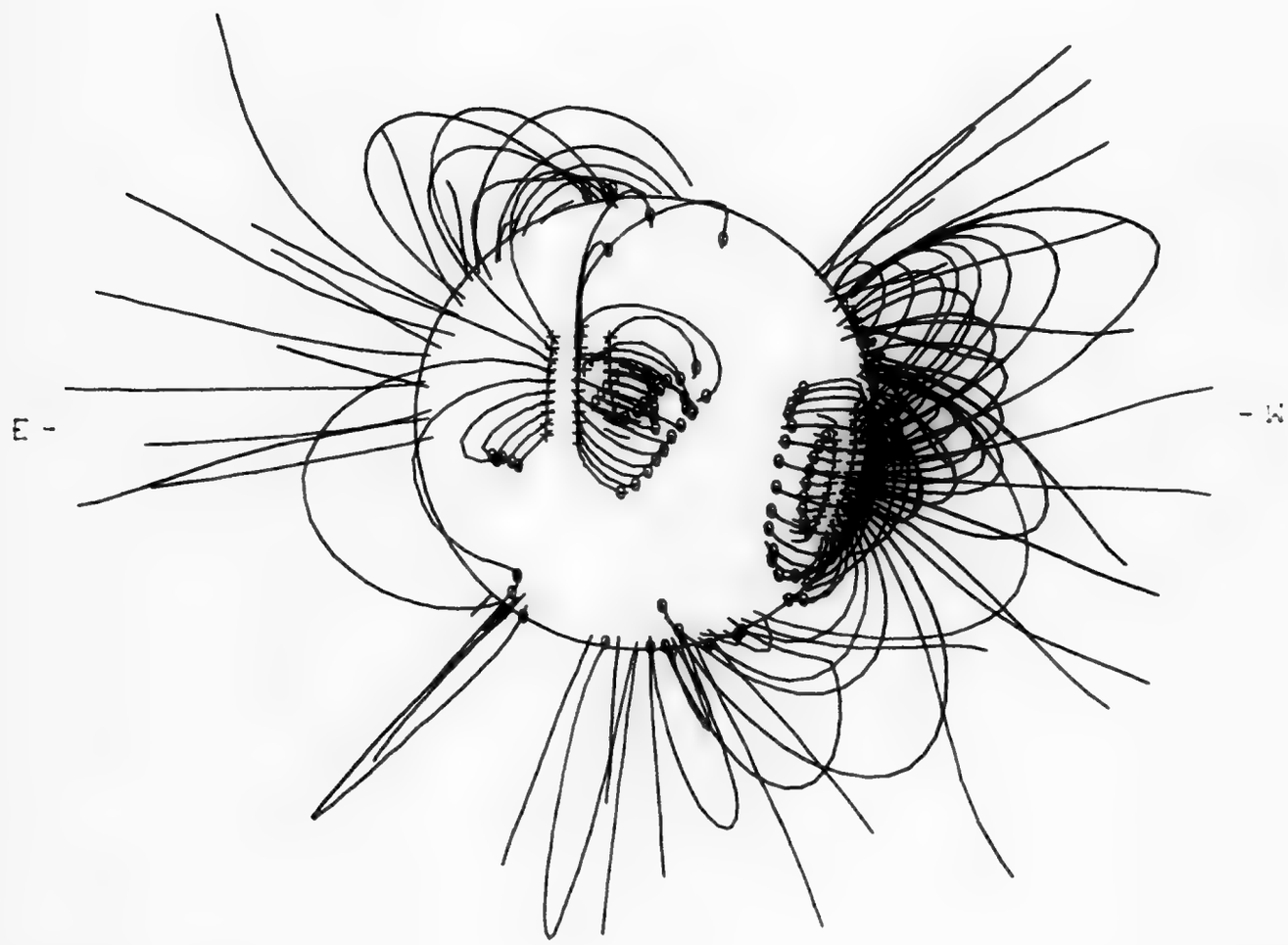
POLES DIRECT

DATA WINDOW 1448.00

R.T. 1448 L[illegible]. 20[illegible]°

13.3 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

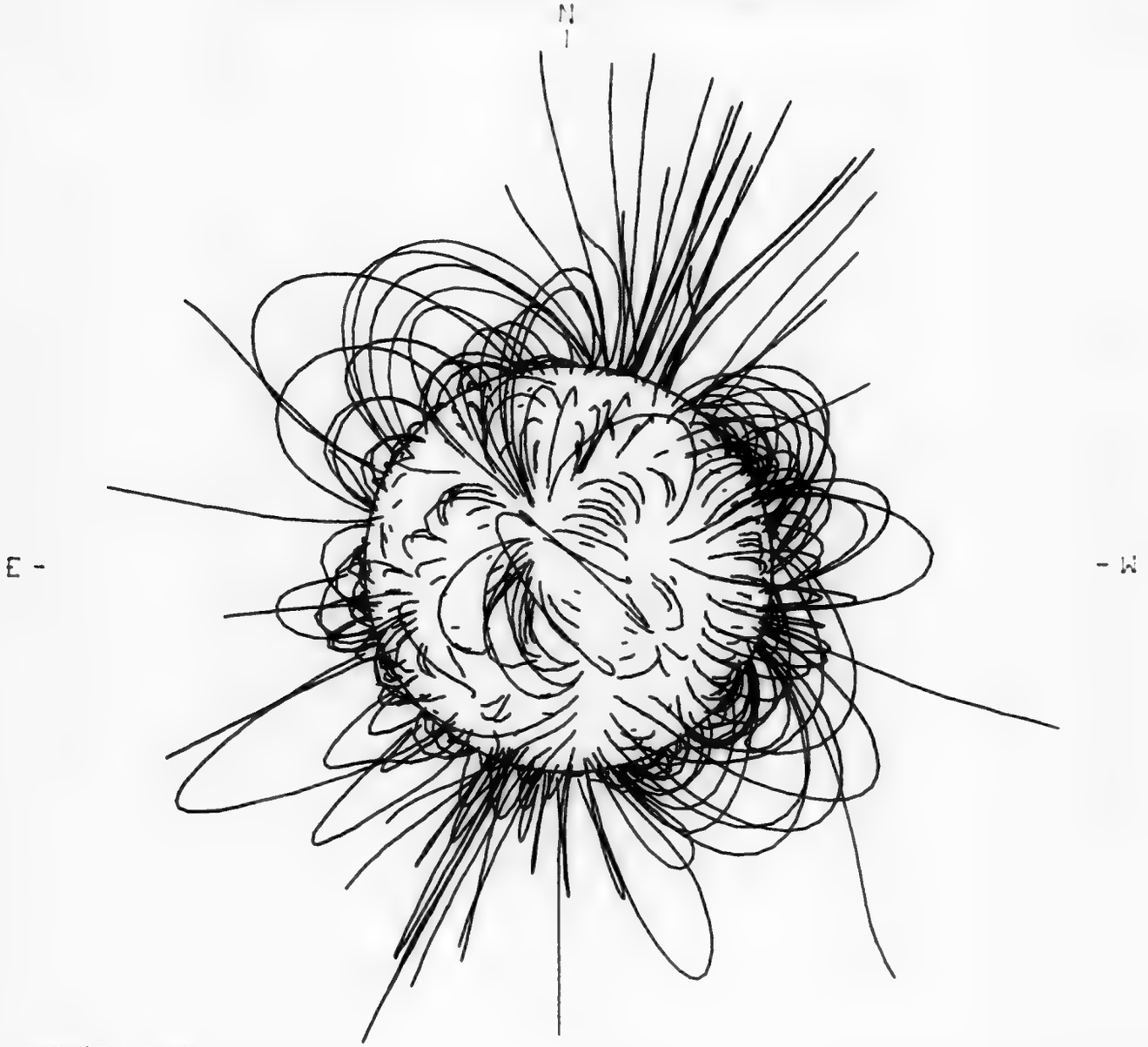
POLES DIRECT

DATA WINDOW 1448.00

ROT. 1448 LONG. 200°

13.3 DEG 195°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

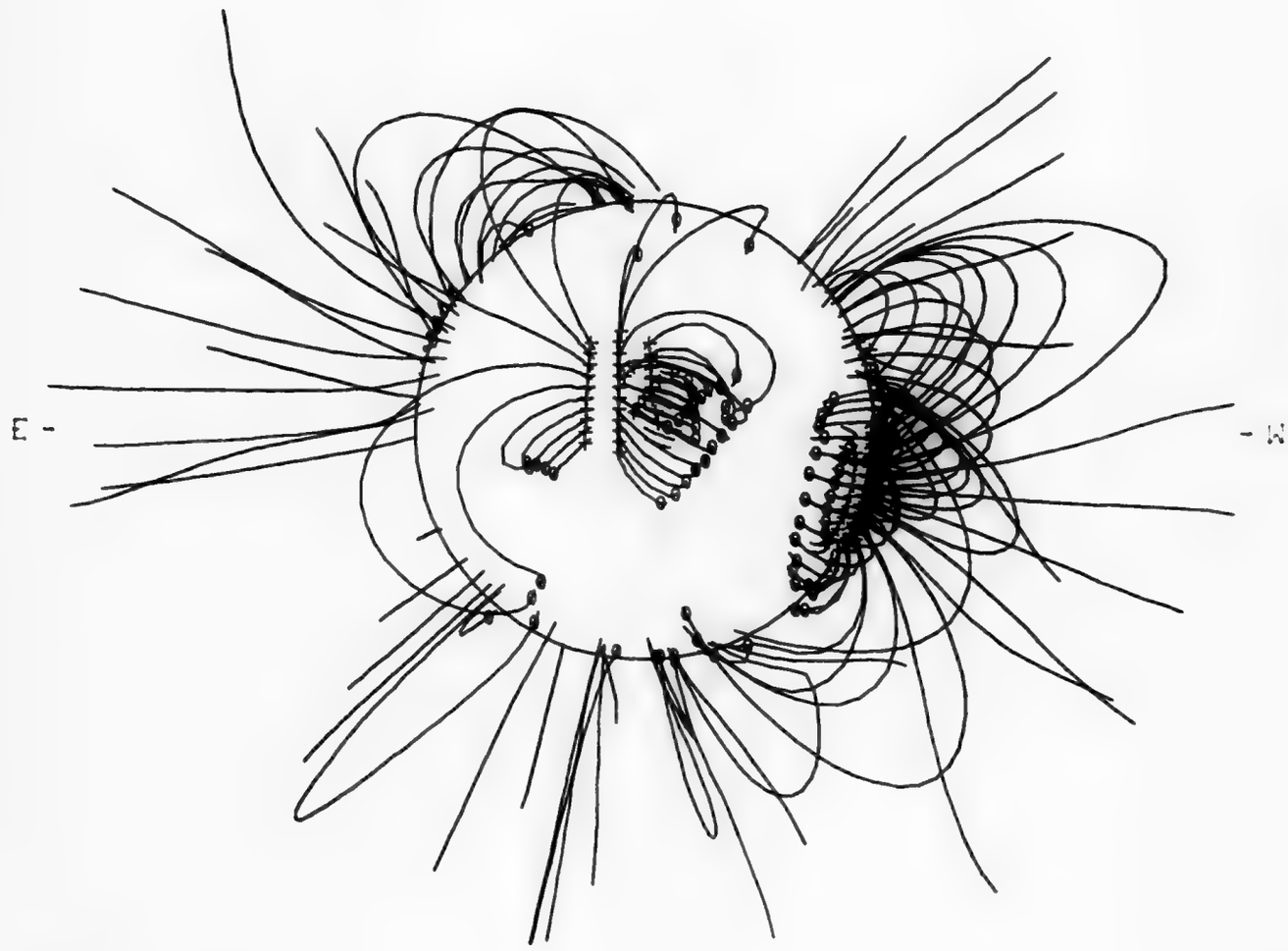
POLES DIRECT

DATA WINDOW 1111B.00

ROT. 1111B LONG. 1[illegible]°

14.0 LEI 1[illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

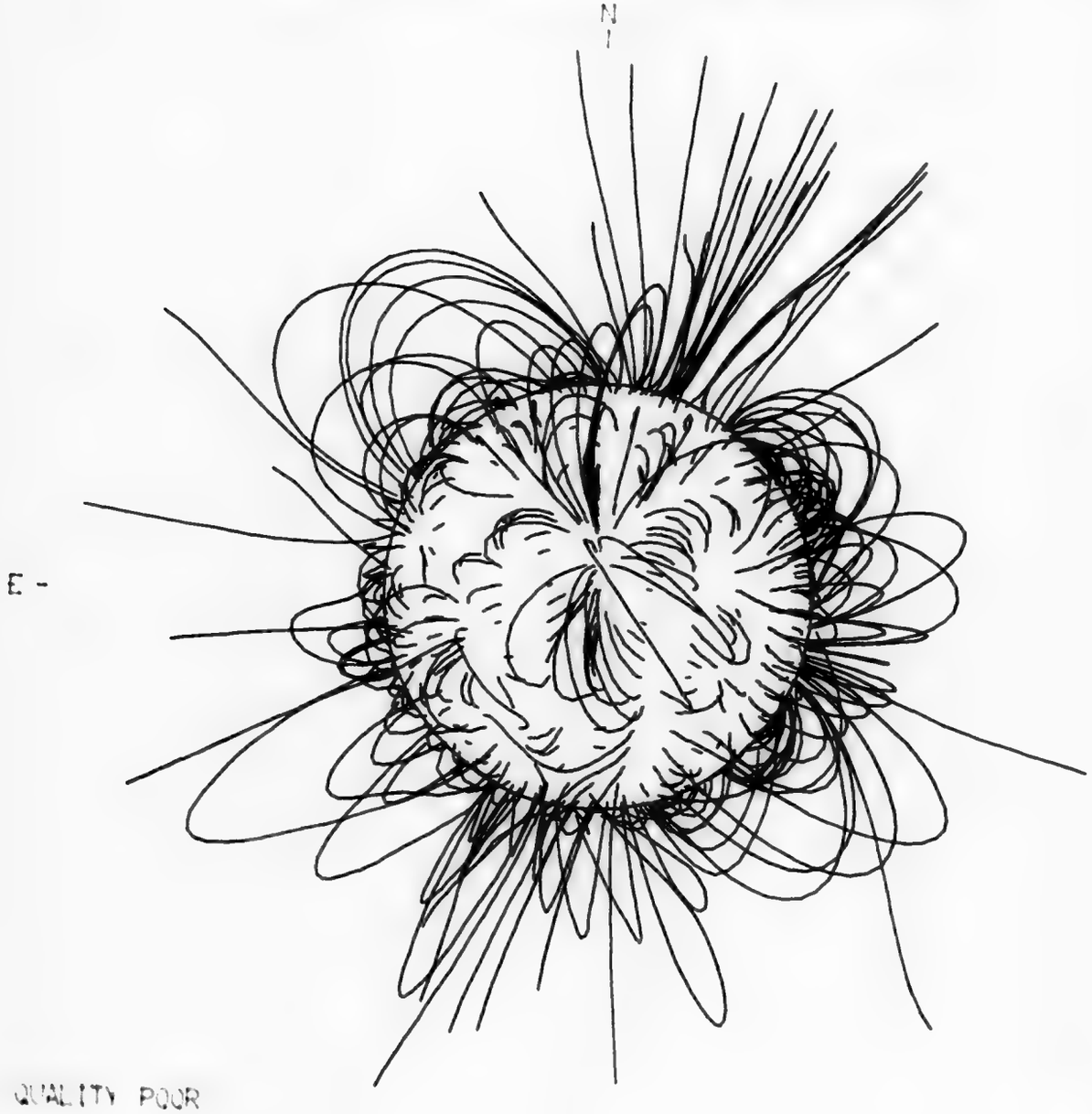
POLES DIRECT

DATA WINDOW 1448.00

ROT. 1448 [illegible]

14.0 DEC 1953

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

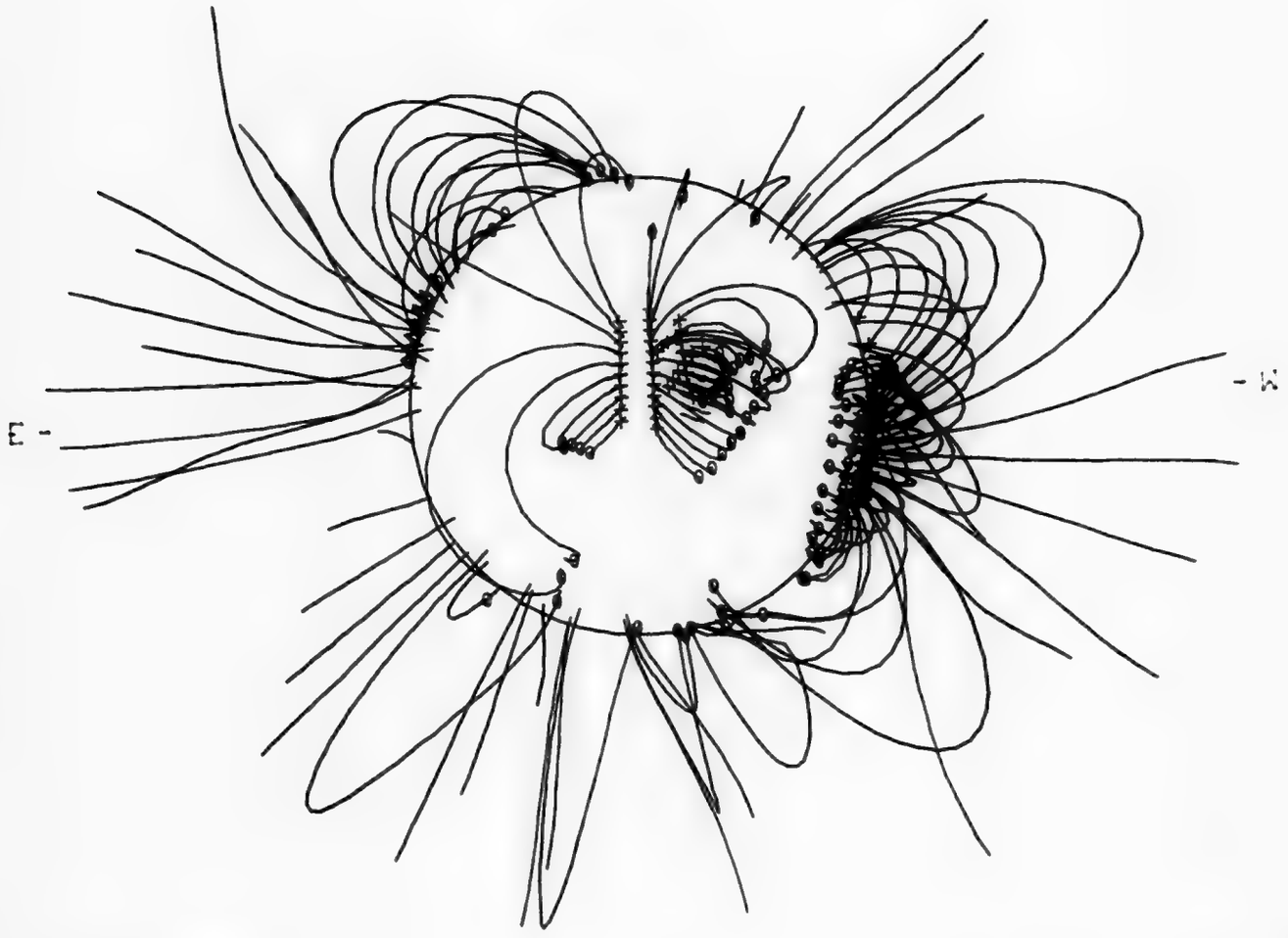
DATA WINDOW 1448.00

ROT. 1448 LONG. 180°

14.8 DEG

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.00

ROT. 1448 LONG. 180°

14.8 DEG

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.00

ROT. 1448 LONG. 170°

15.6 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

QUALITY POOR

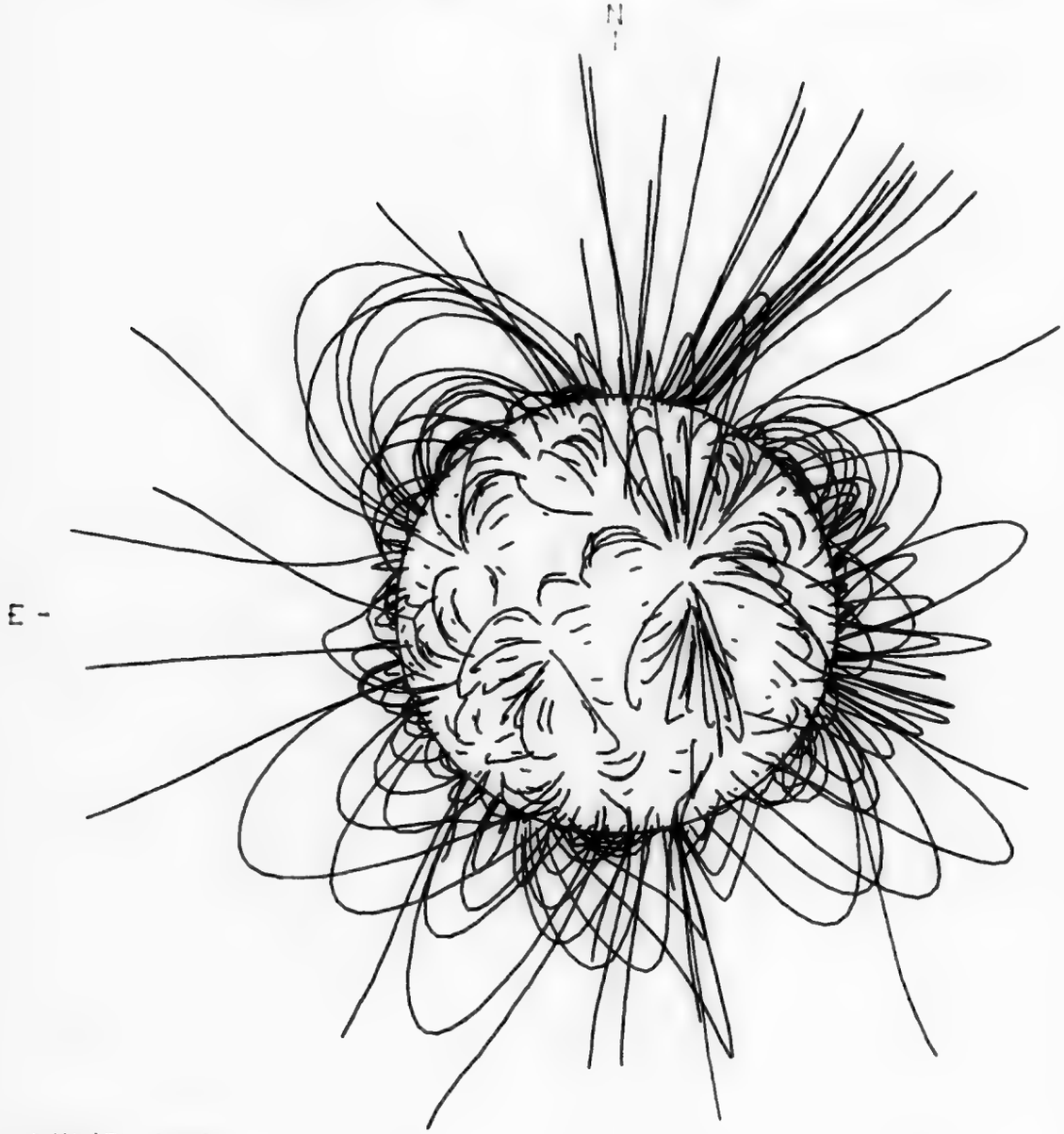
POLES DIRECT

DATA WINDOW 1448.00

ROT. 1448 [illegible]

15.5 SEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

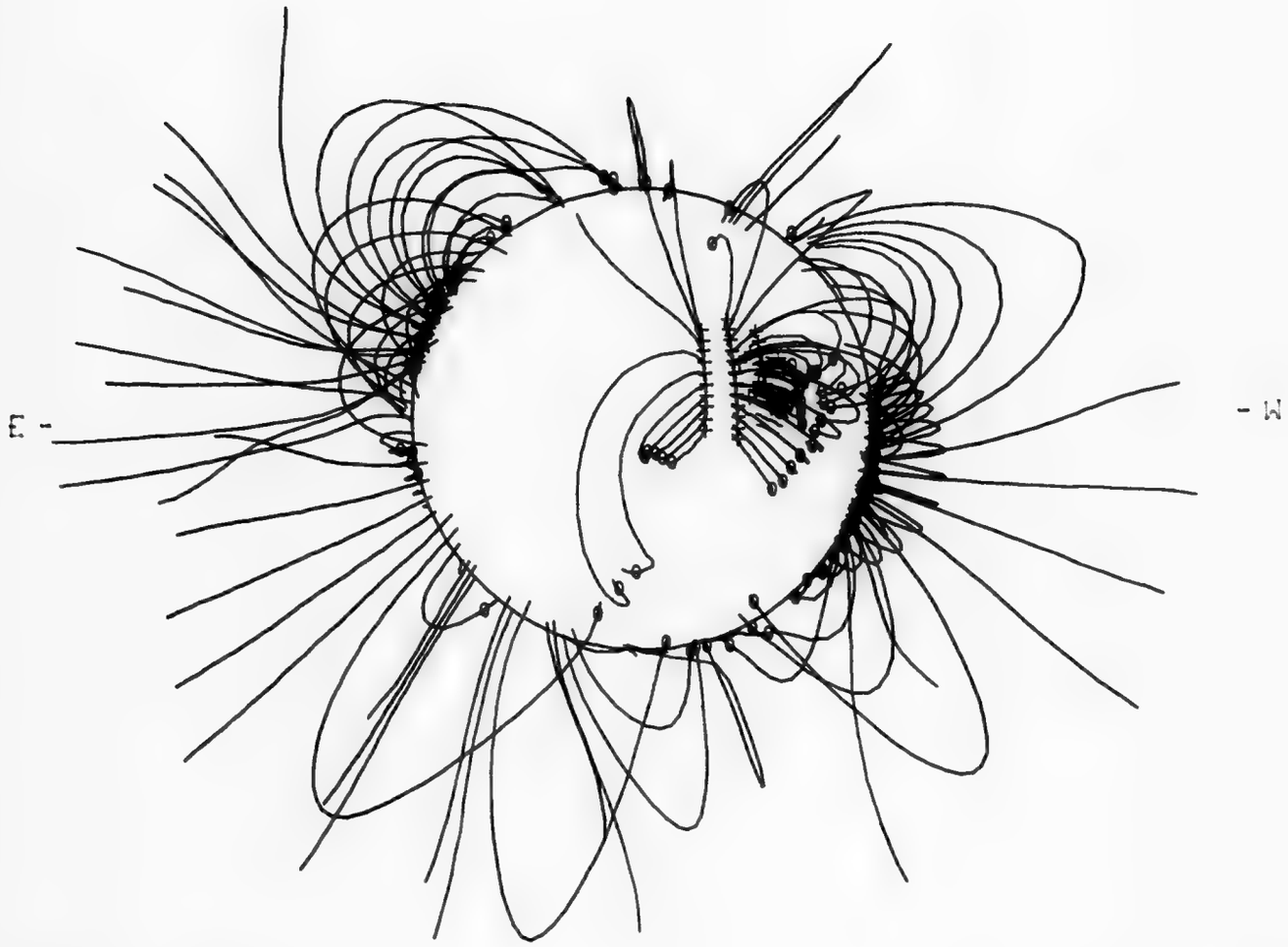
DATA WINDOW 1448.00

ROT. 1448 LONG. 150°

15.3 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



S

QUALITY POOR

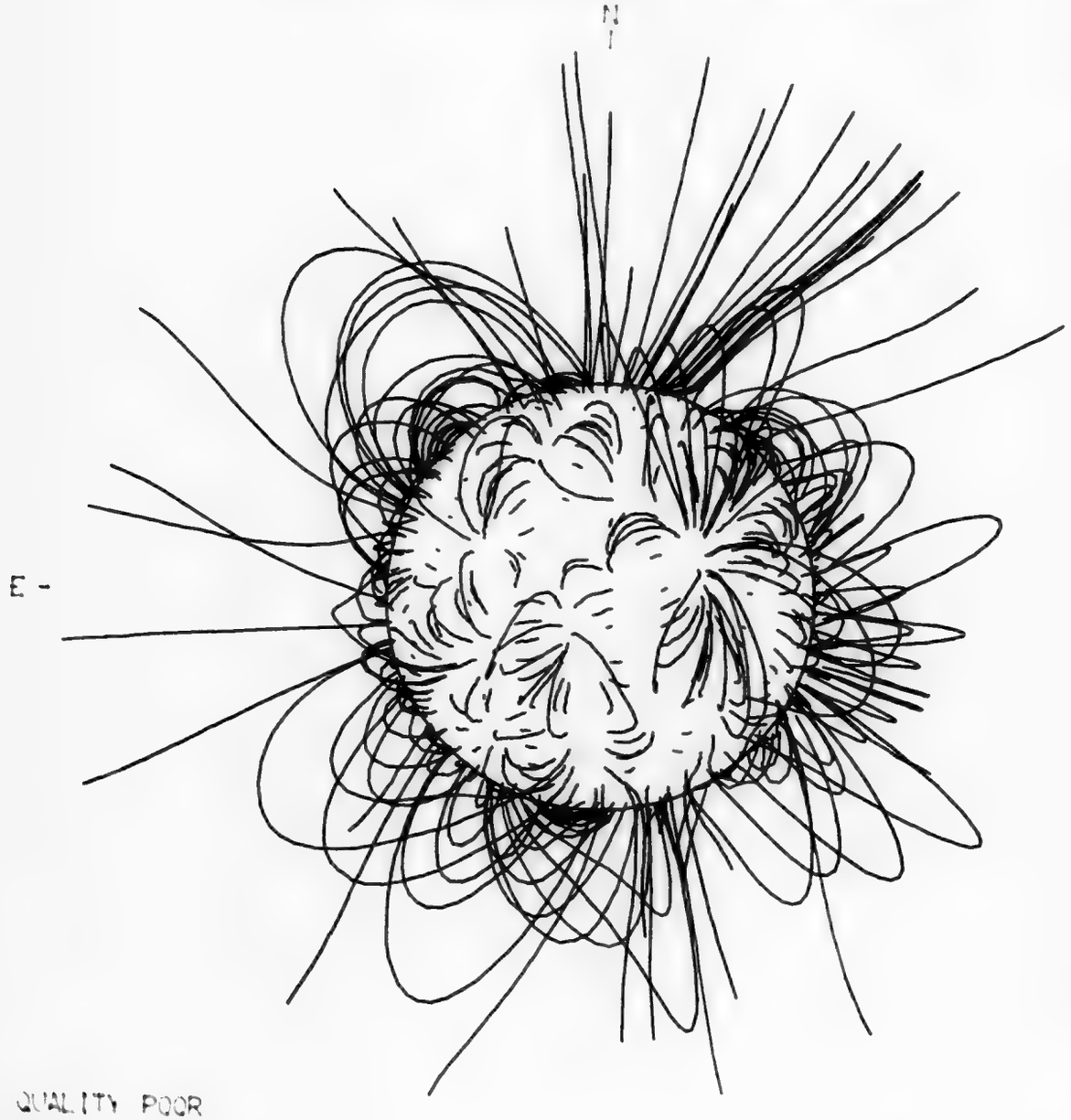
POLES DIRECT

DATA WINDOW 1448.00

ROT. 1448 LONG. 360°

16.3 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.00

ROT. 1448 LONG. 150°

17.1 SEC 46°

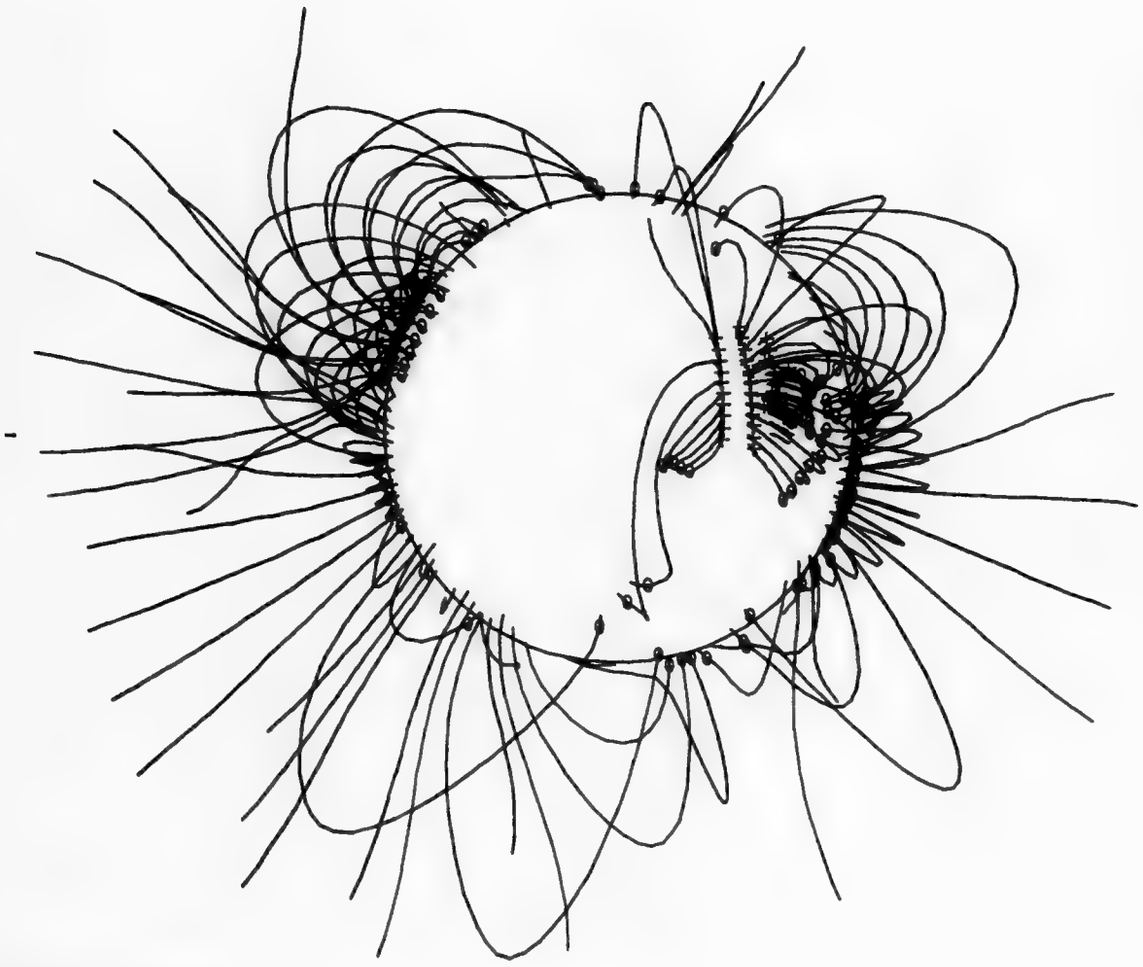
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

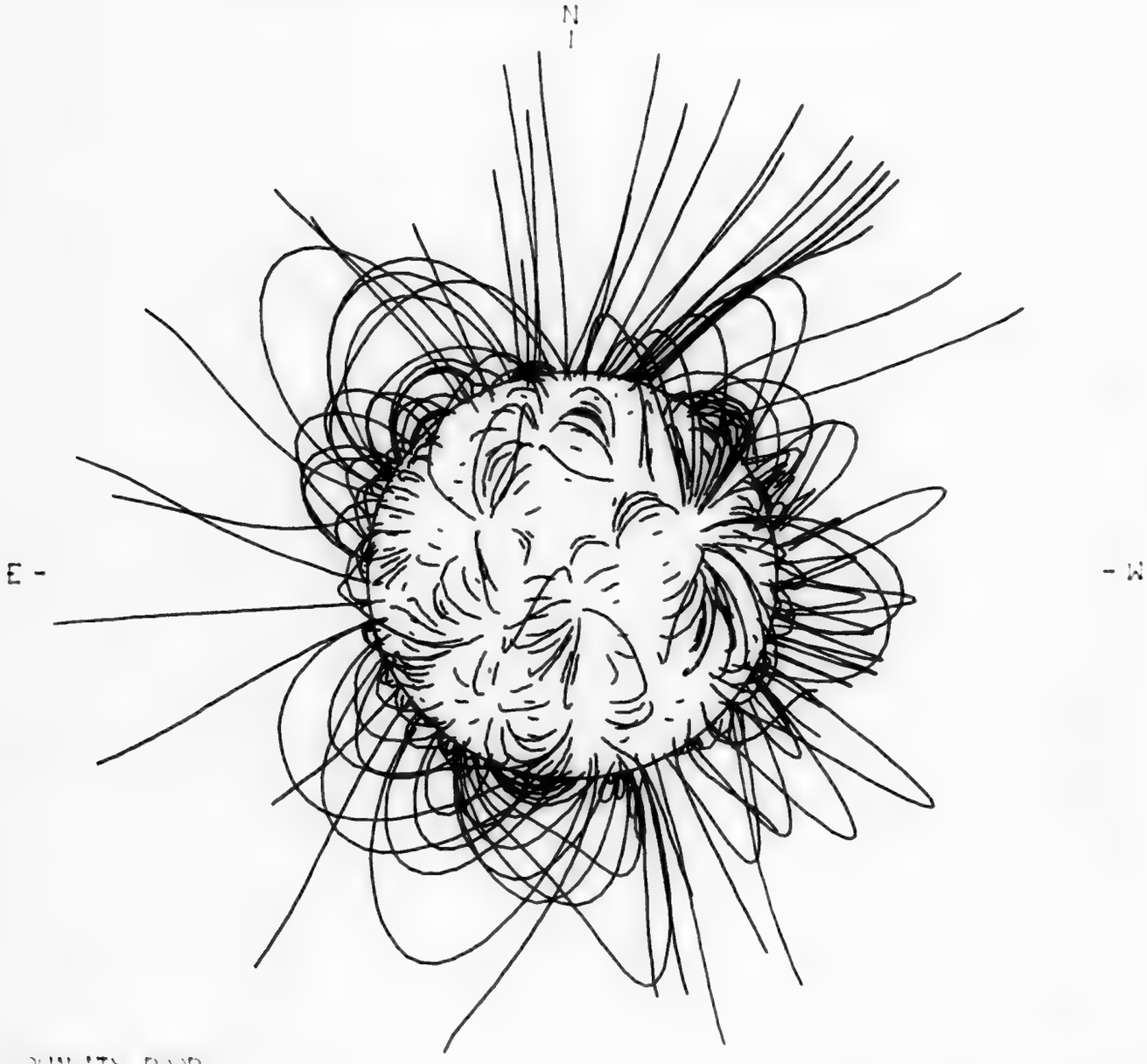
POLES DIRECT

DATA WINDOW 1448.00

ROT. 1448 LONG. 151°

17.1 DEC 195°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

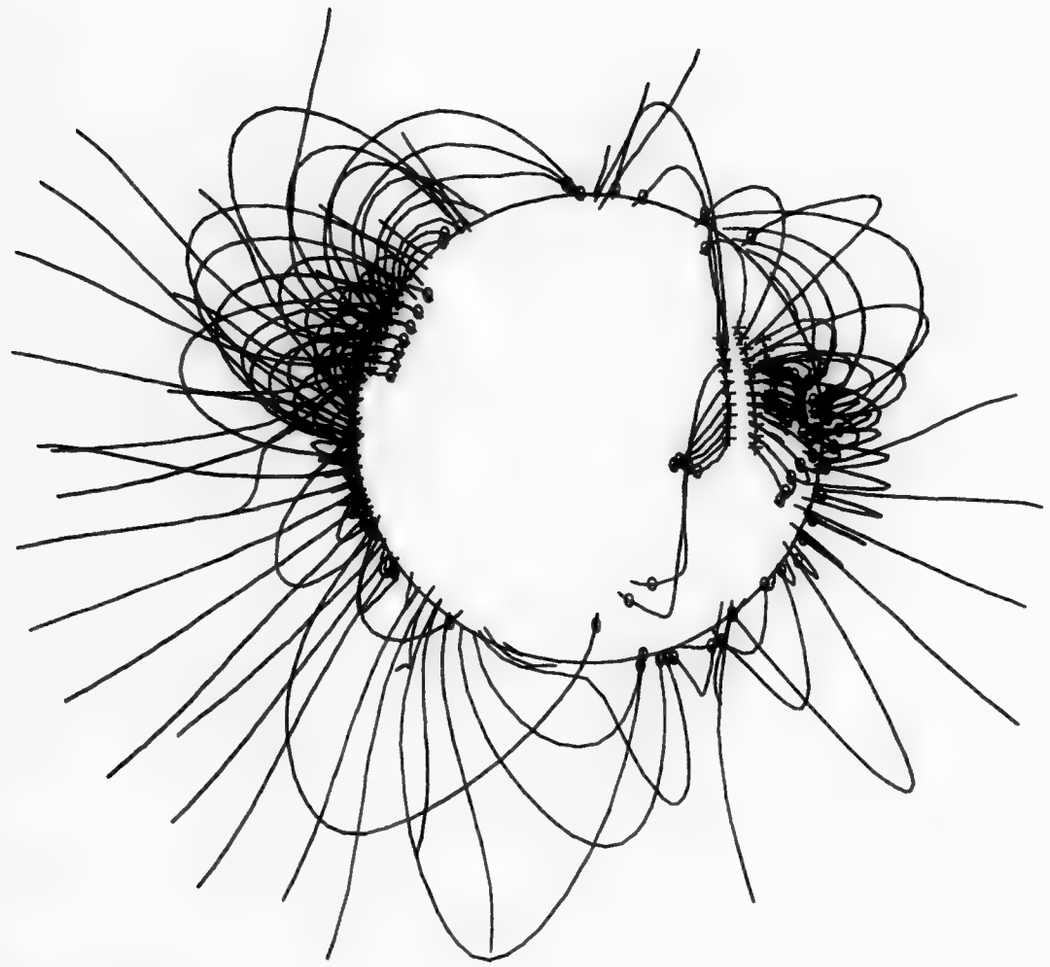
DATA WINDOW 1.0.0.00

ROT. 1.0.0.

17.0 DEG

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

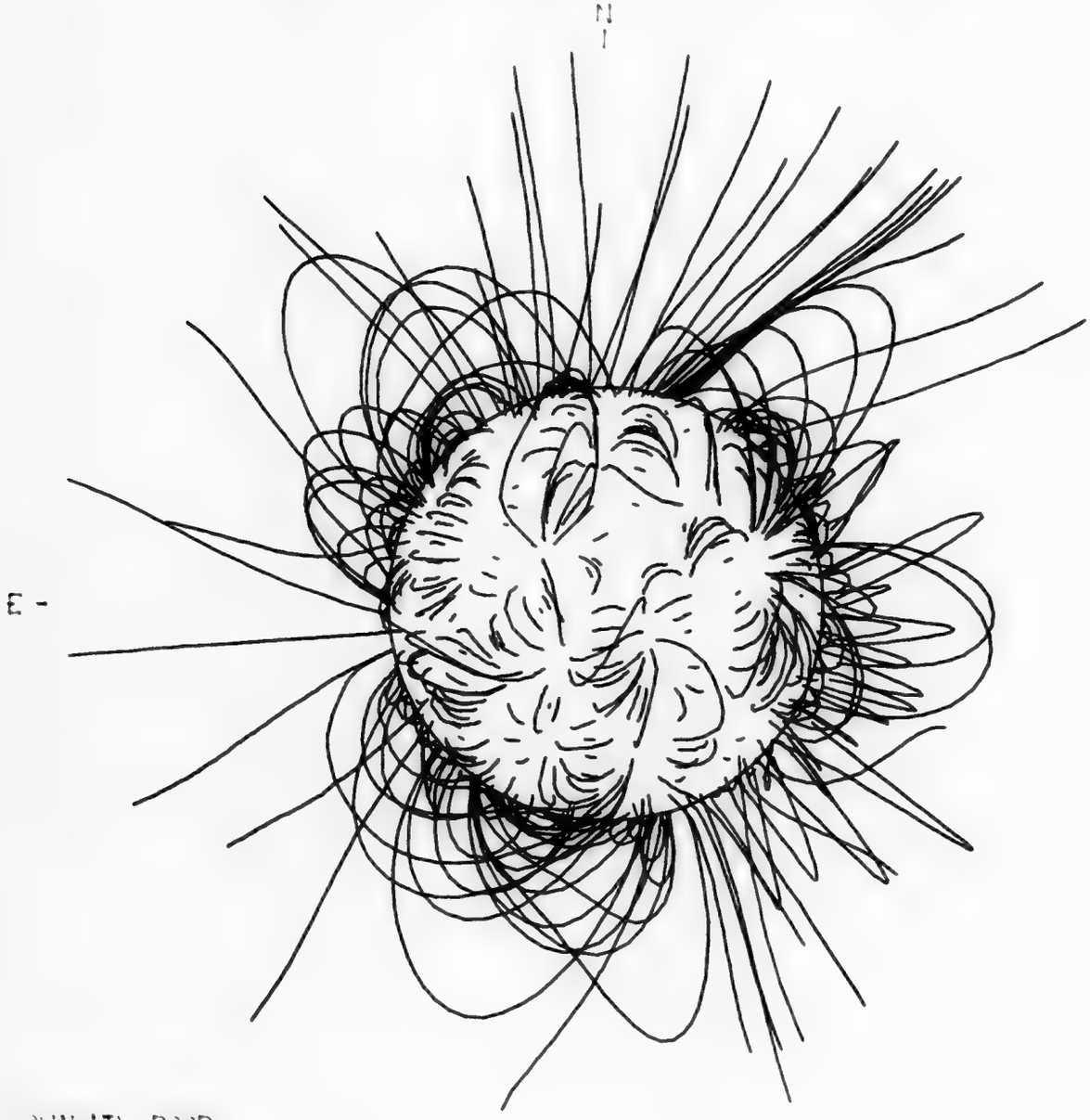
POLES DIRECT

DATA WINDOW 1448.00

ROT. 1448 LONG. 140°

17.8 DEC 1981

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.00

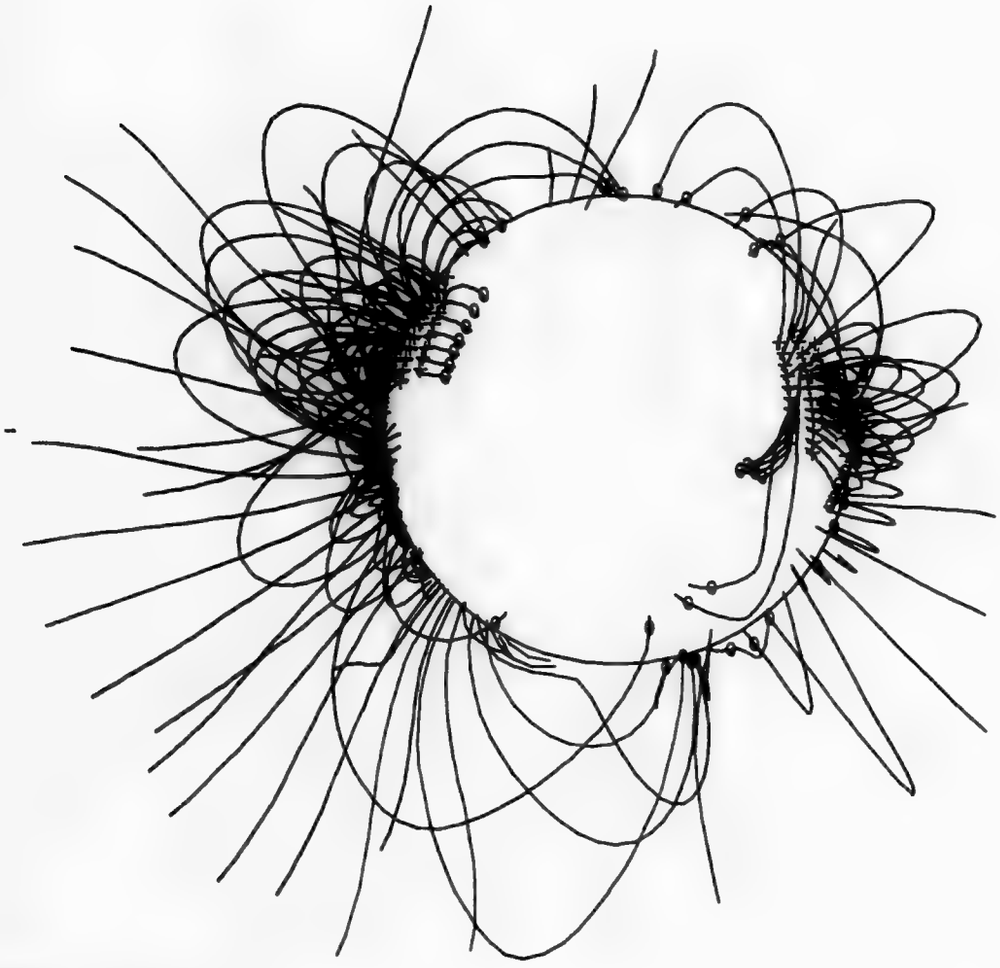
ROT. 1448 LONG. 130°

18.6 DEG 195°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.00

ROT. 1448 LONG. 130°

18.6 DEC 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

QUALITY POOR

POLES DIRECT

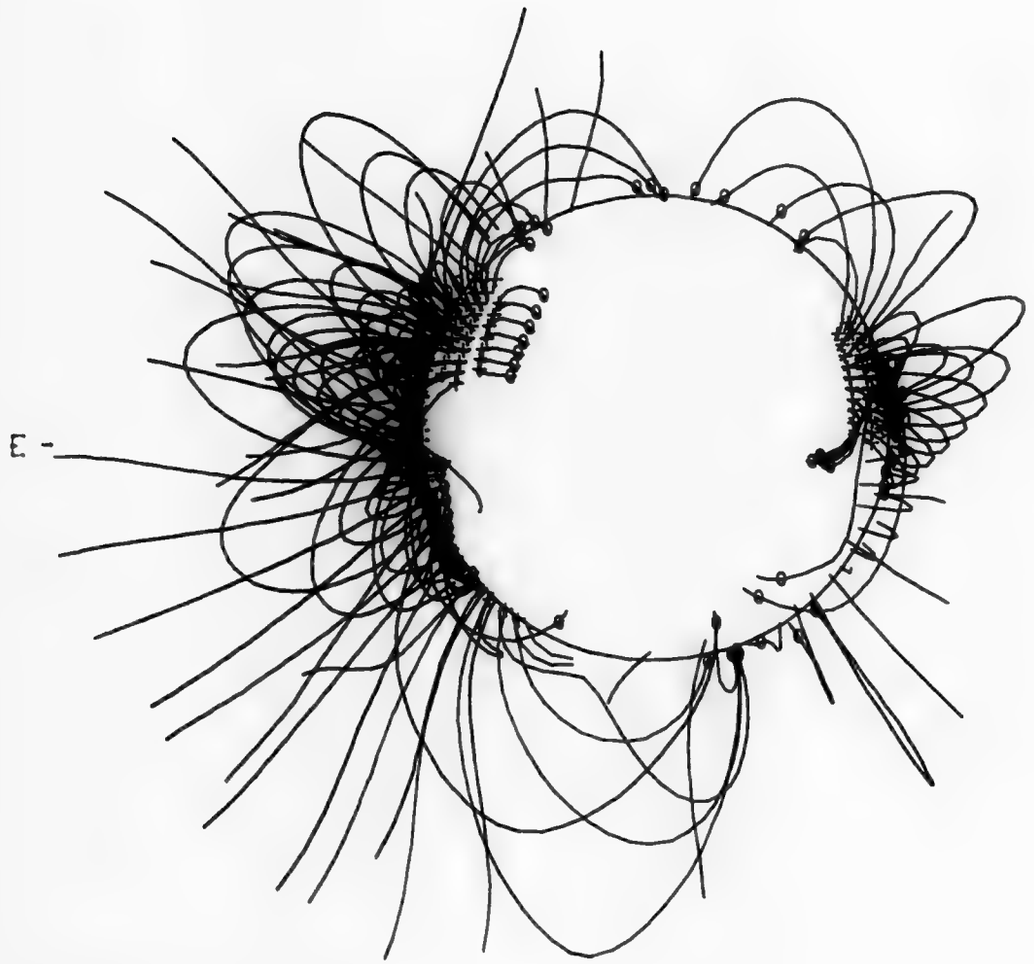
DATA WINDOW 1448.00

ROT. 1448 LONG. 120°

19.3 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

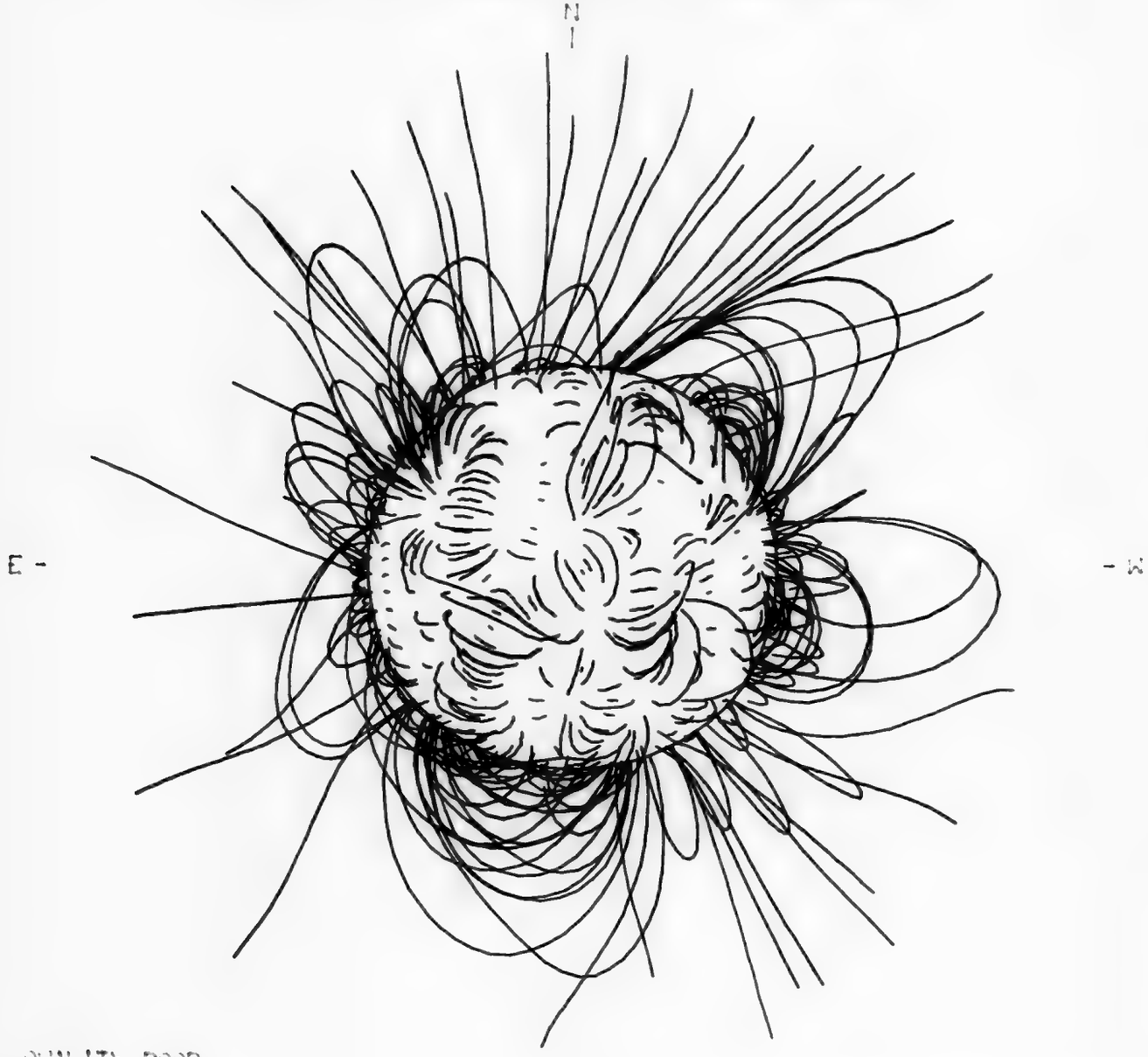
POLES DIRECT

DATA WINDOW 1448.00

ROT. 1448 LONG. 120°

19.3 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

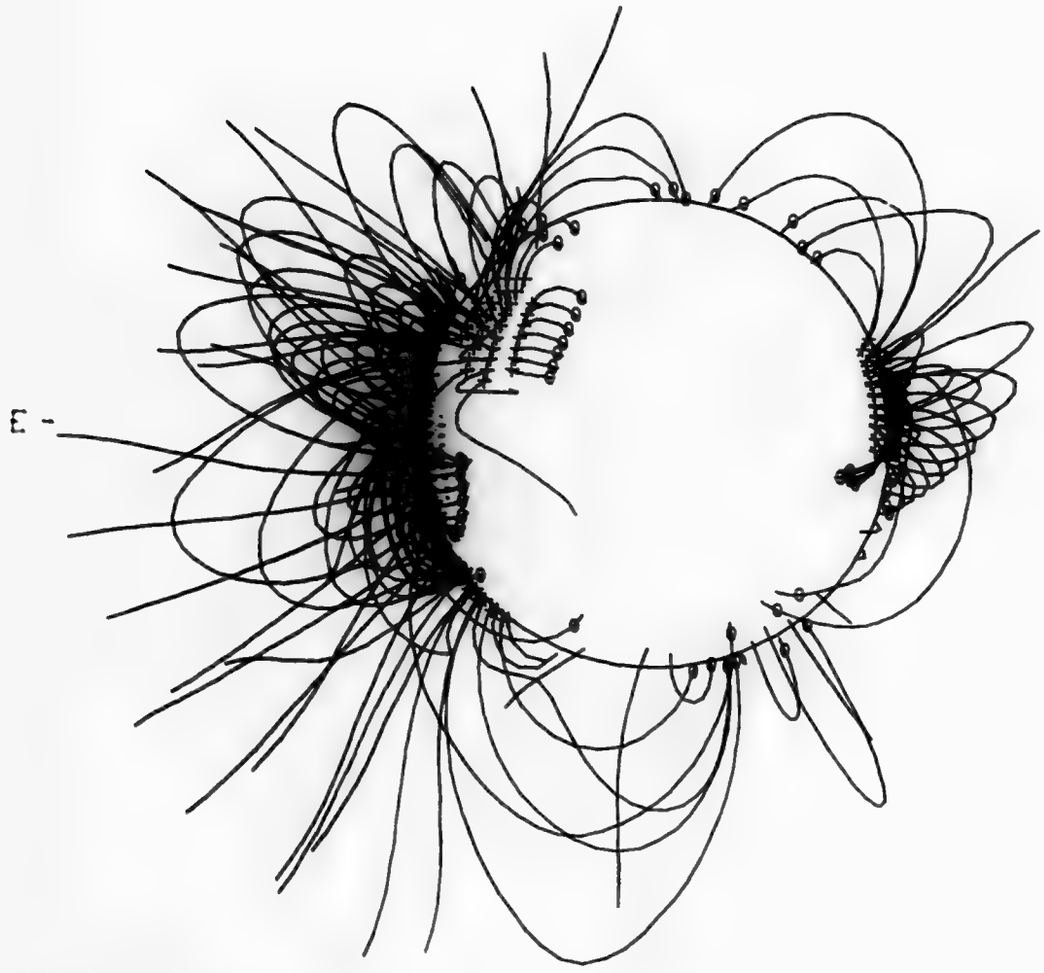
DATA WINDOW 1448.00

ROT. 1448 LONG. ***°

20.1 DEG ***°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

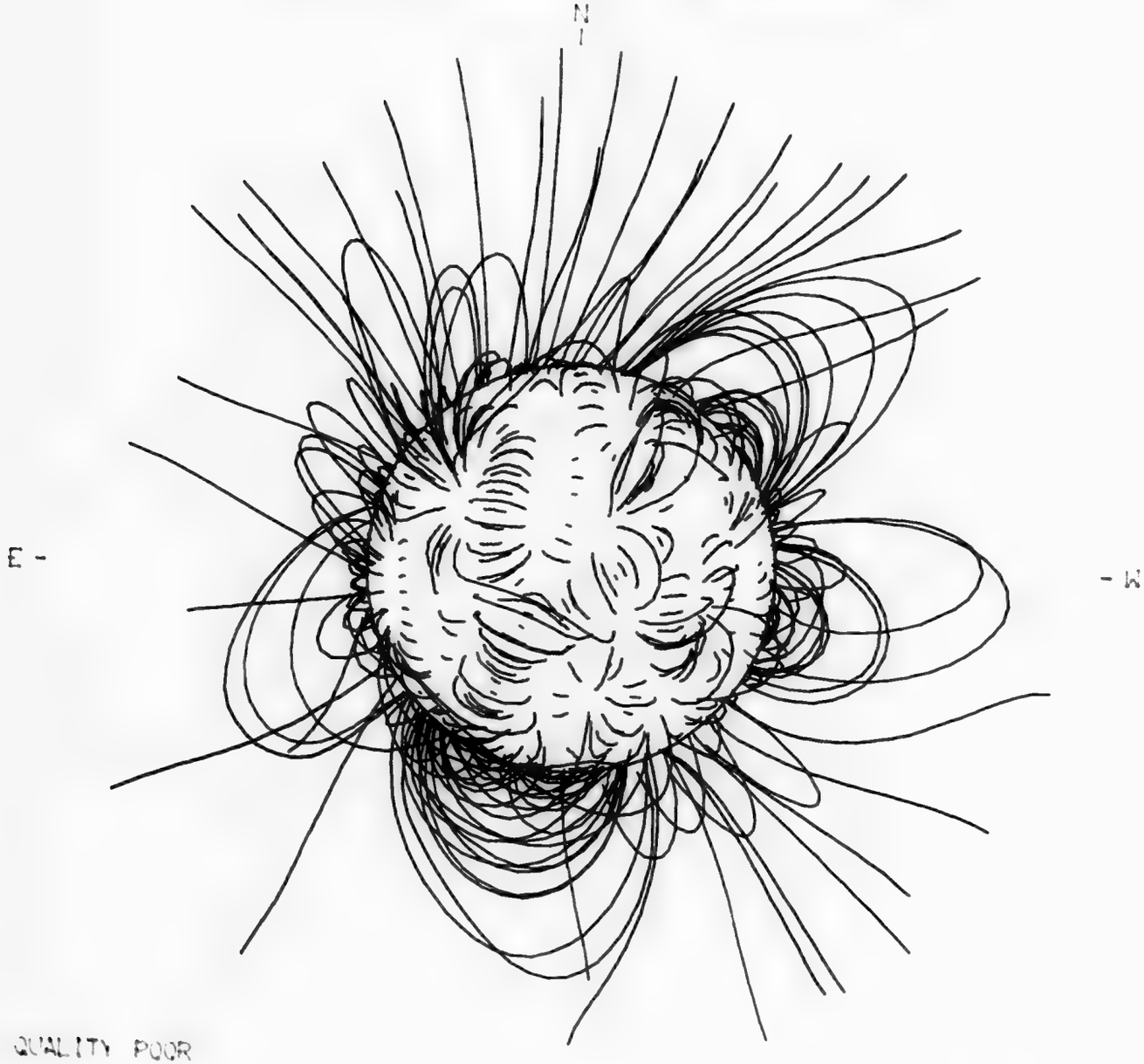
POLES DIRECT

DATA WINDOW 1448.00

ROT. 1448 LONG. 110°

20.1 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.00

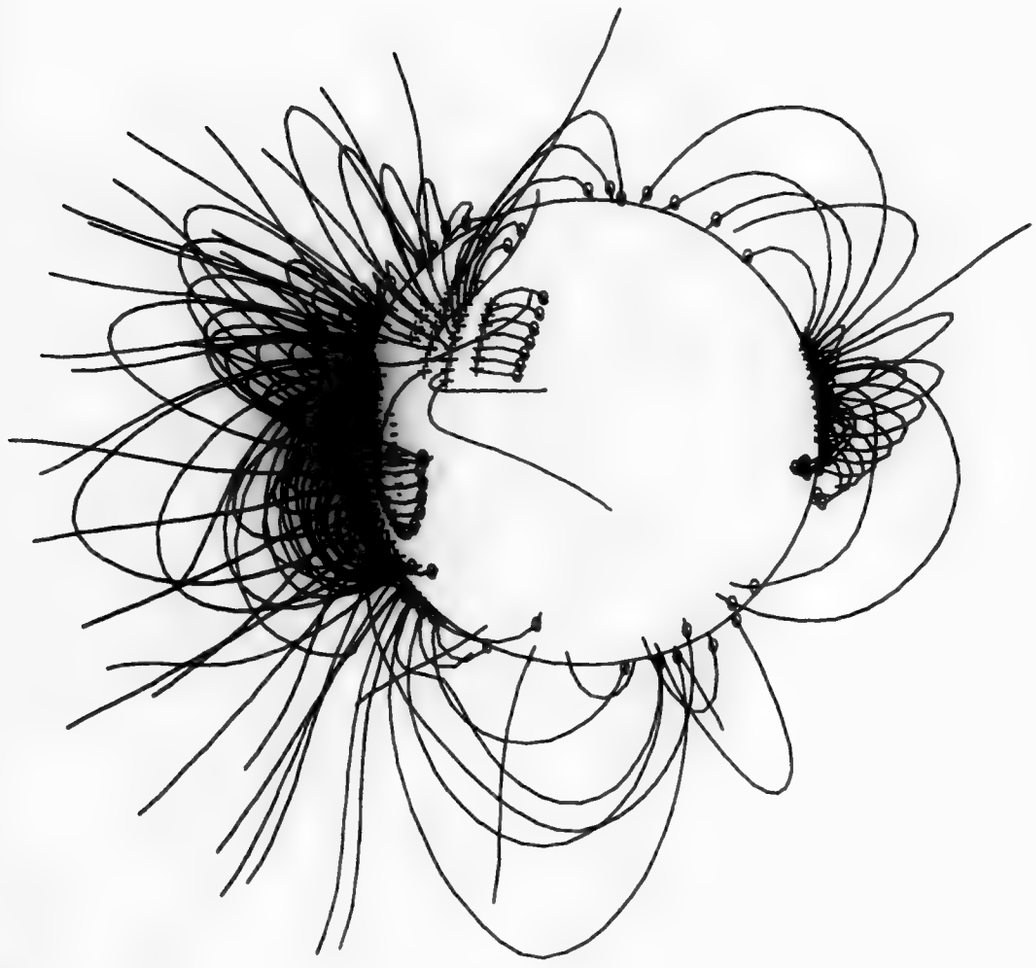
ROT. 1448 LONG. 000°

20.9 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

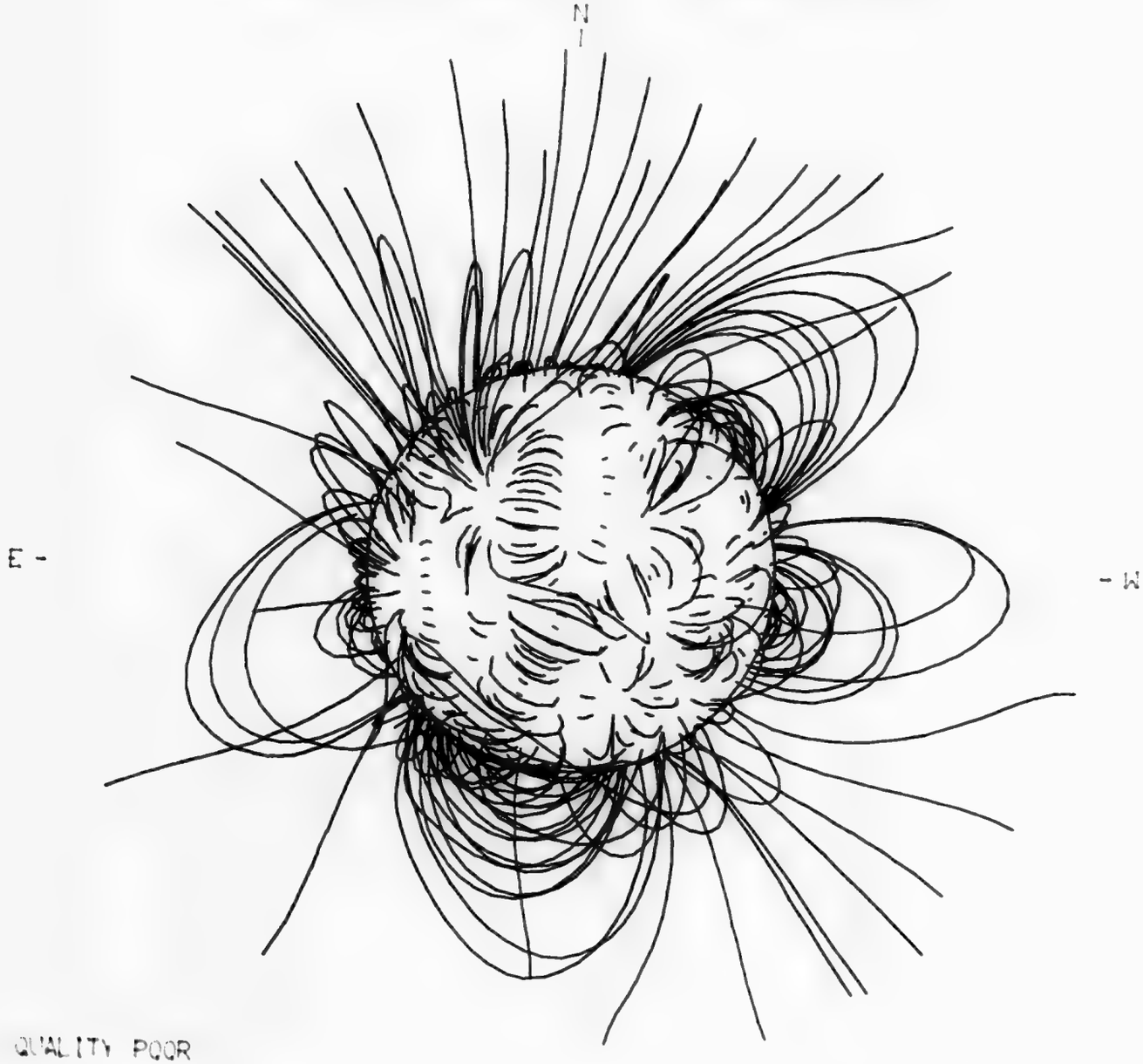
POLES DIRECT

DATA WINDOW 1448.00

R.T. 1448 LONG. 100°

20.9 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.00

ROT. 1448 [illegible]°

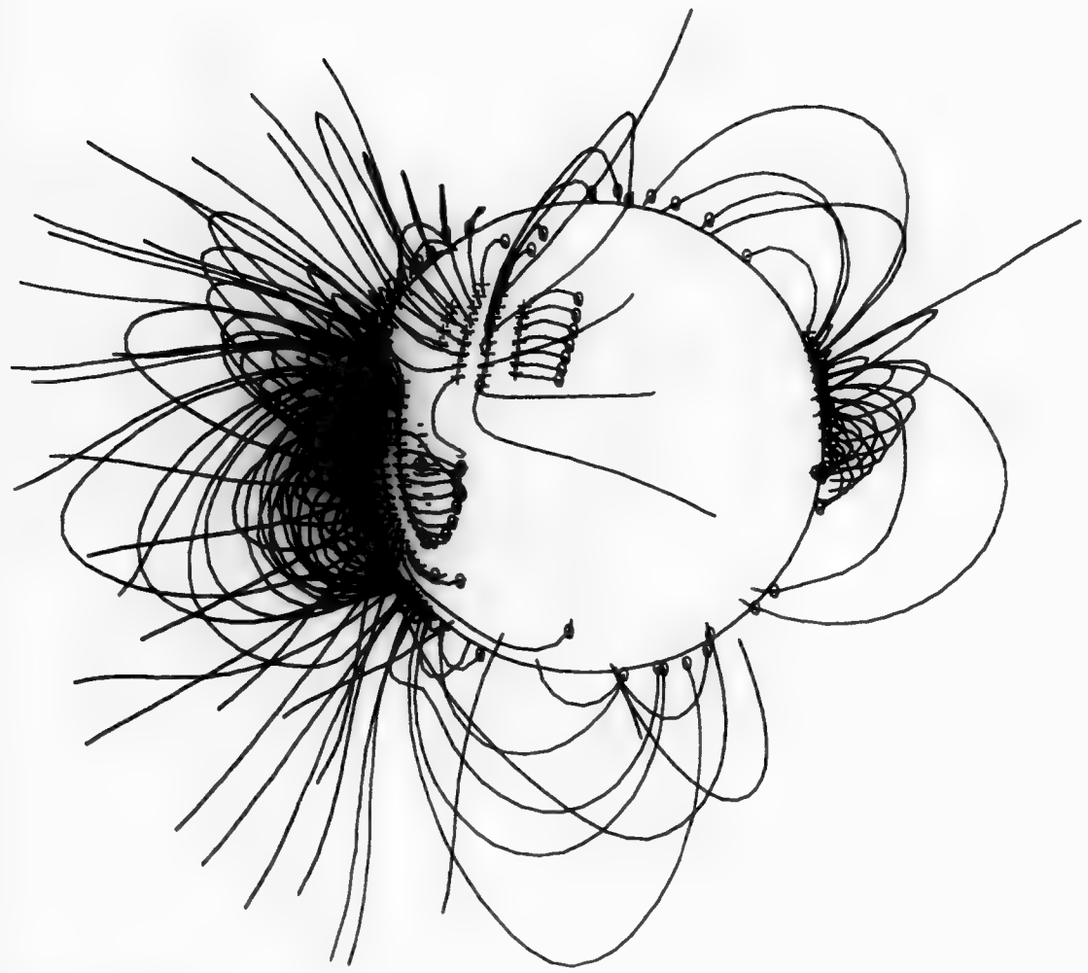
21.6 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.00

ROT. 1448 LONG. 90°

21.6 DEG 345°

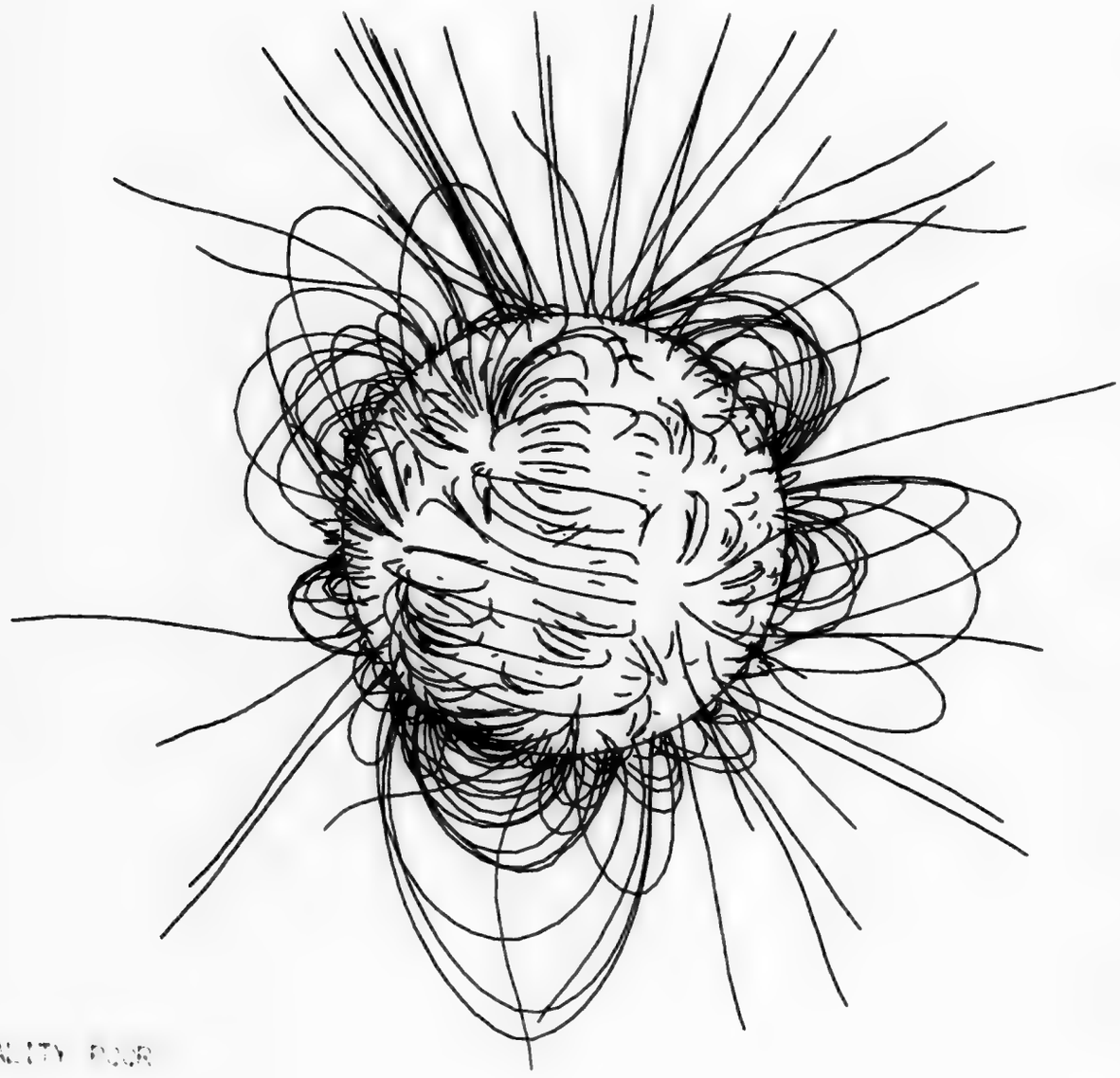
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.1R,.1"

ROT. 1.1.R LONG. 1.1°

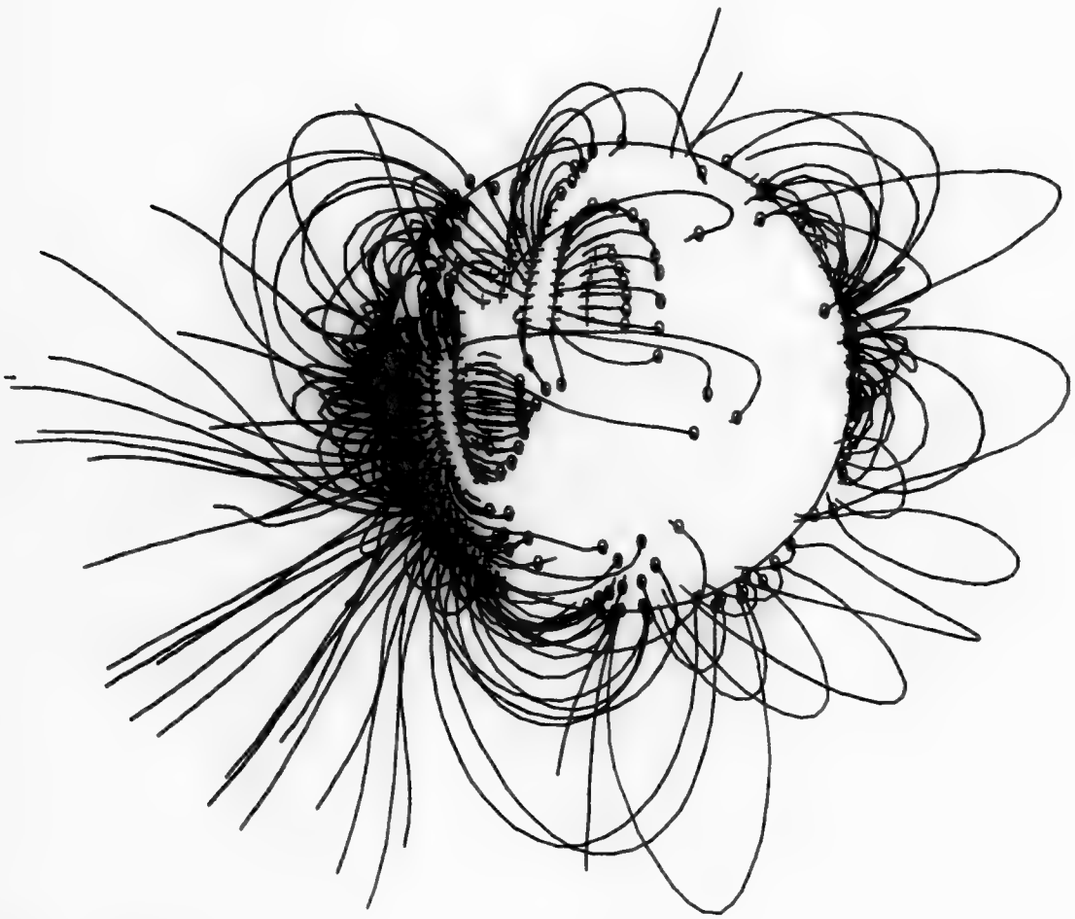
22.1 SEC 1.1"

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E

W



S

QUALITY POOR

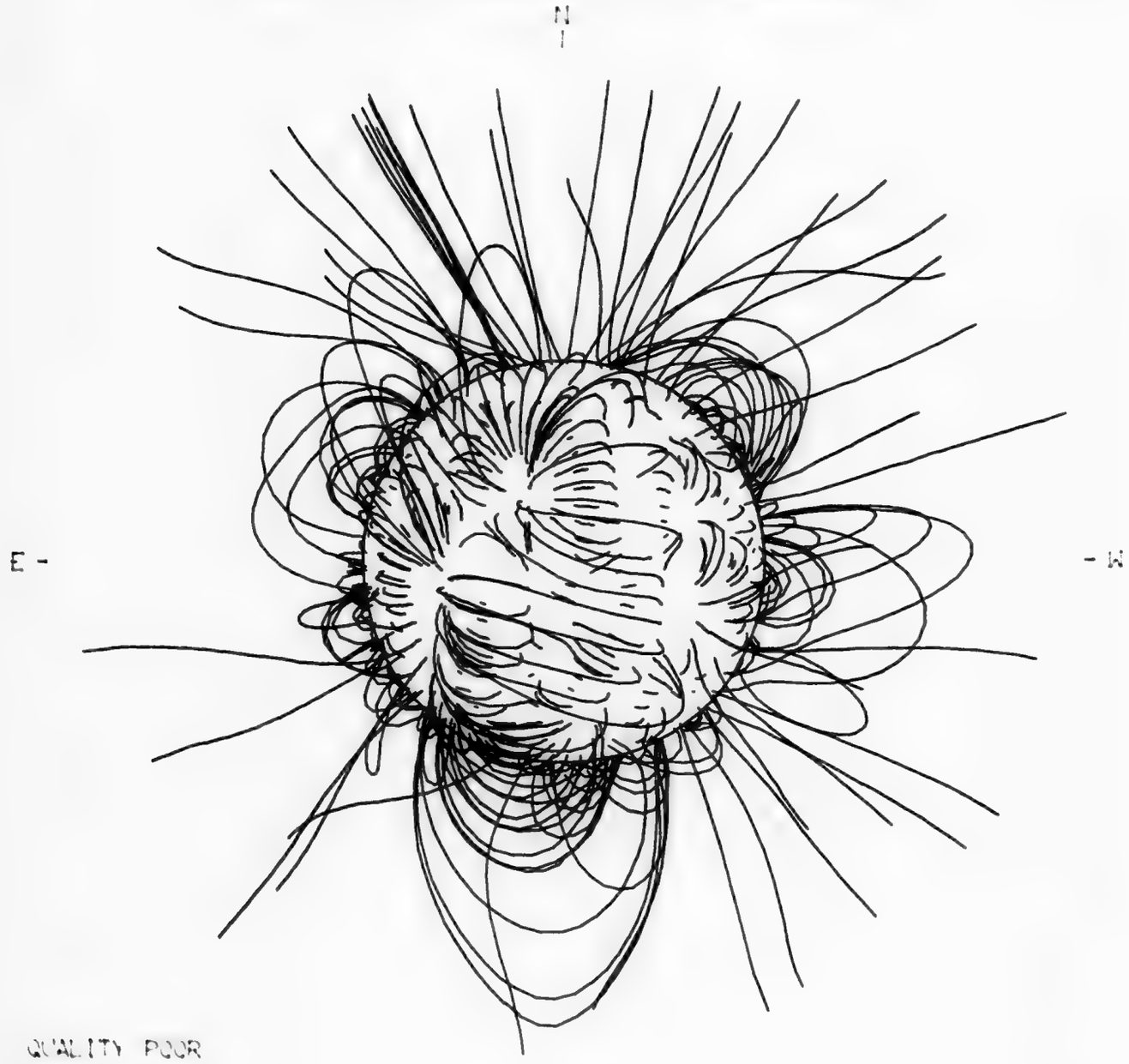
POLES DIRECT

DATA WINDOW 1448.47

ROT. 1448 LONG. 81°

22.4 DEC '65

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

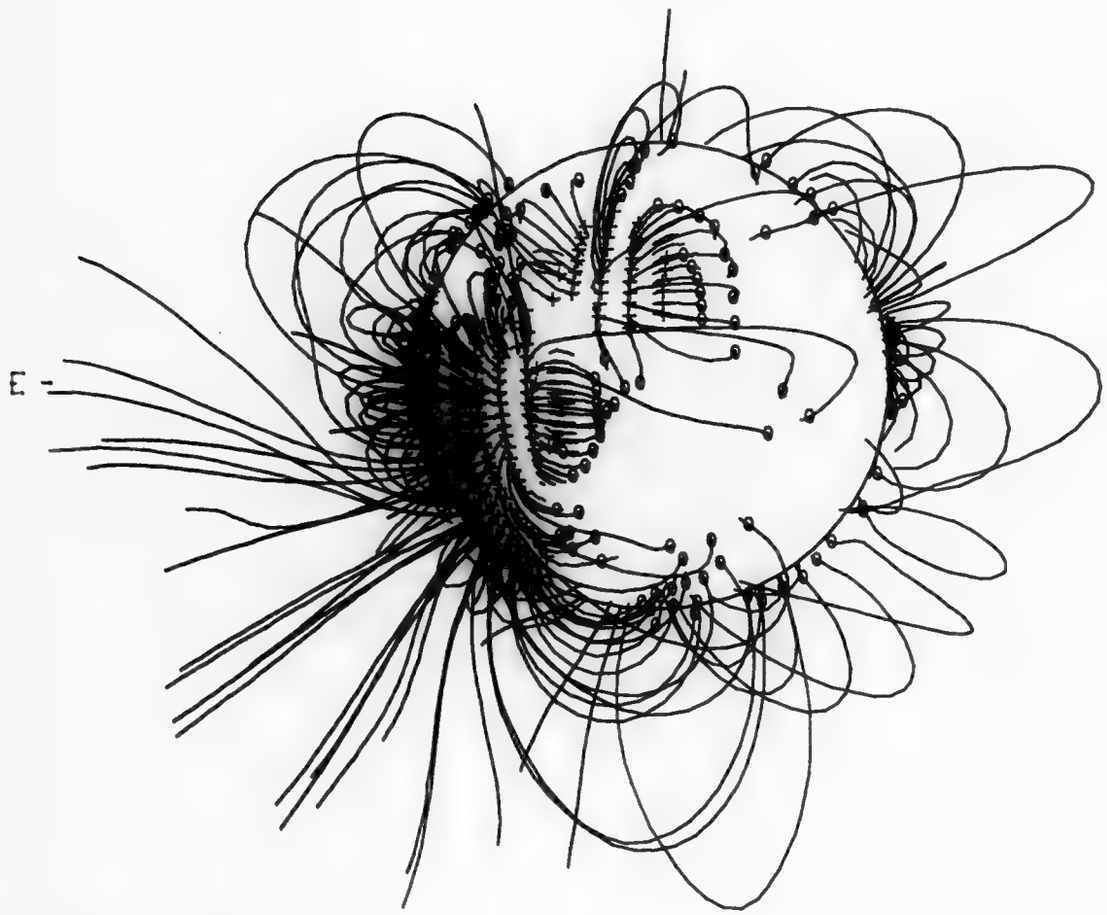
DATA WINDOW 1448.47

ROT. 1448 LONG. 70°

23.2 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



S

QUALITY POOR

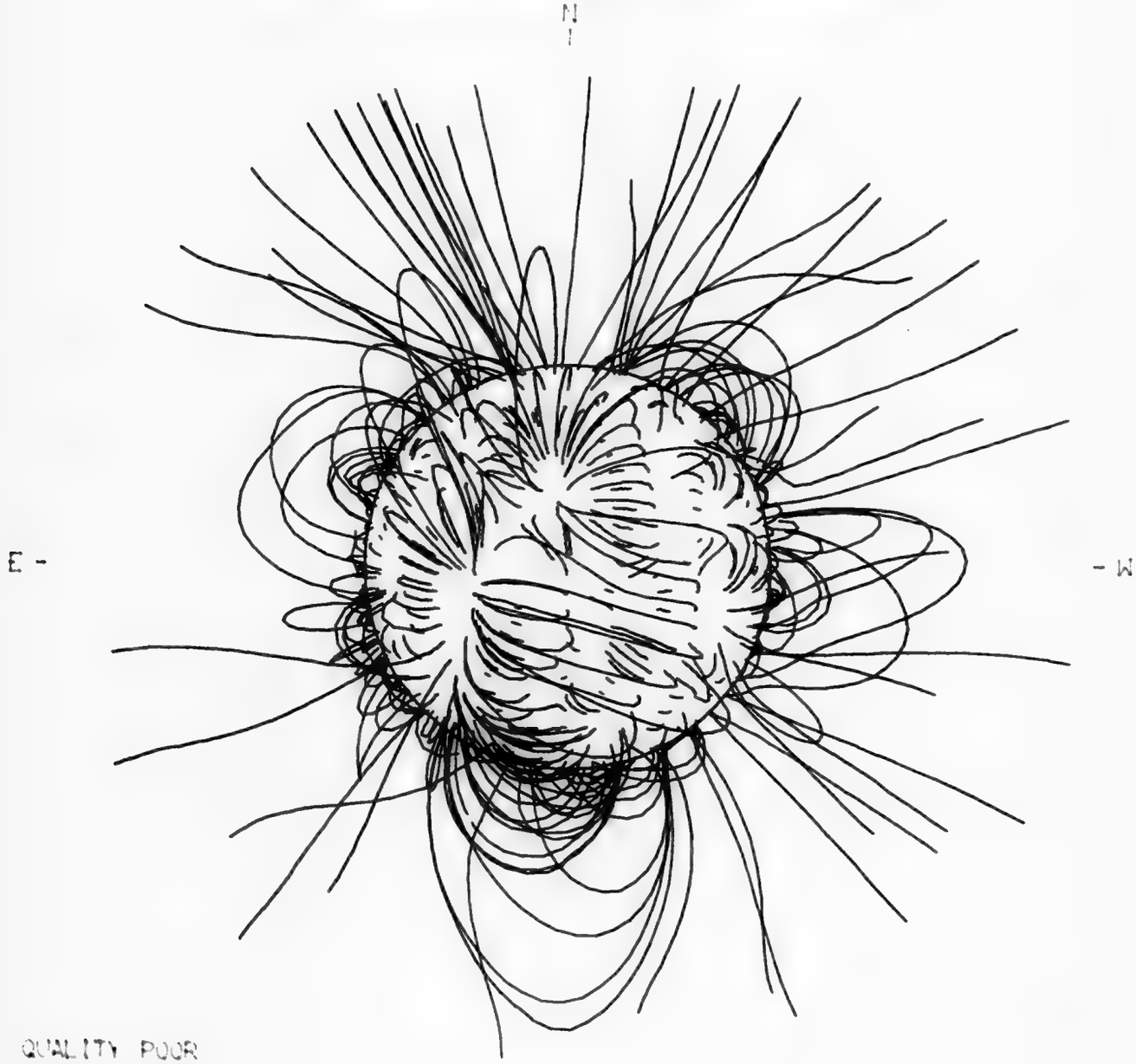
POLES DIRECT

DATA WINDOW 1448.47

ROT. 1448 LONG. 70°

23.2 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.47

ROT. 1448 LONG. 90°

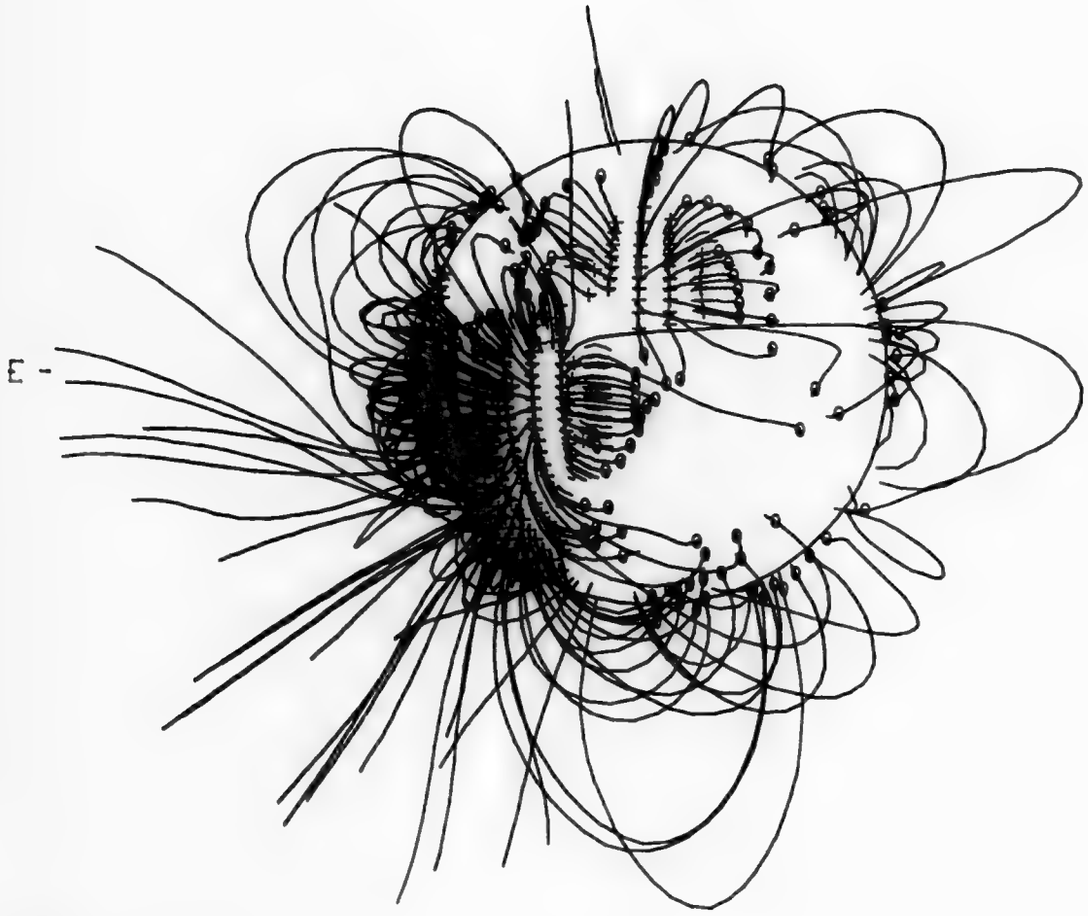
23.5 DEC 1.63°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

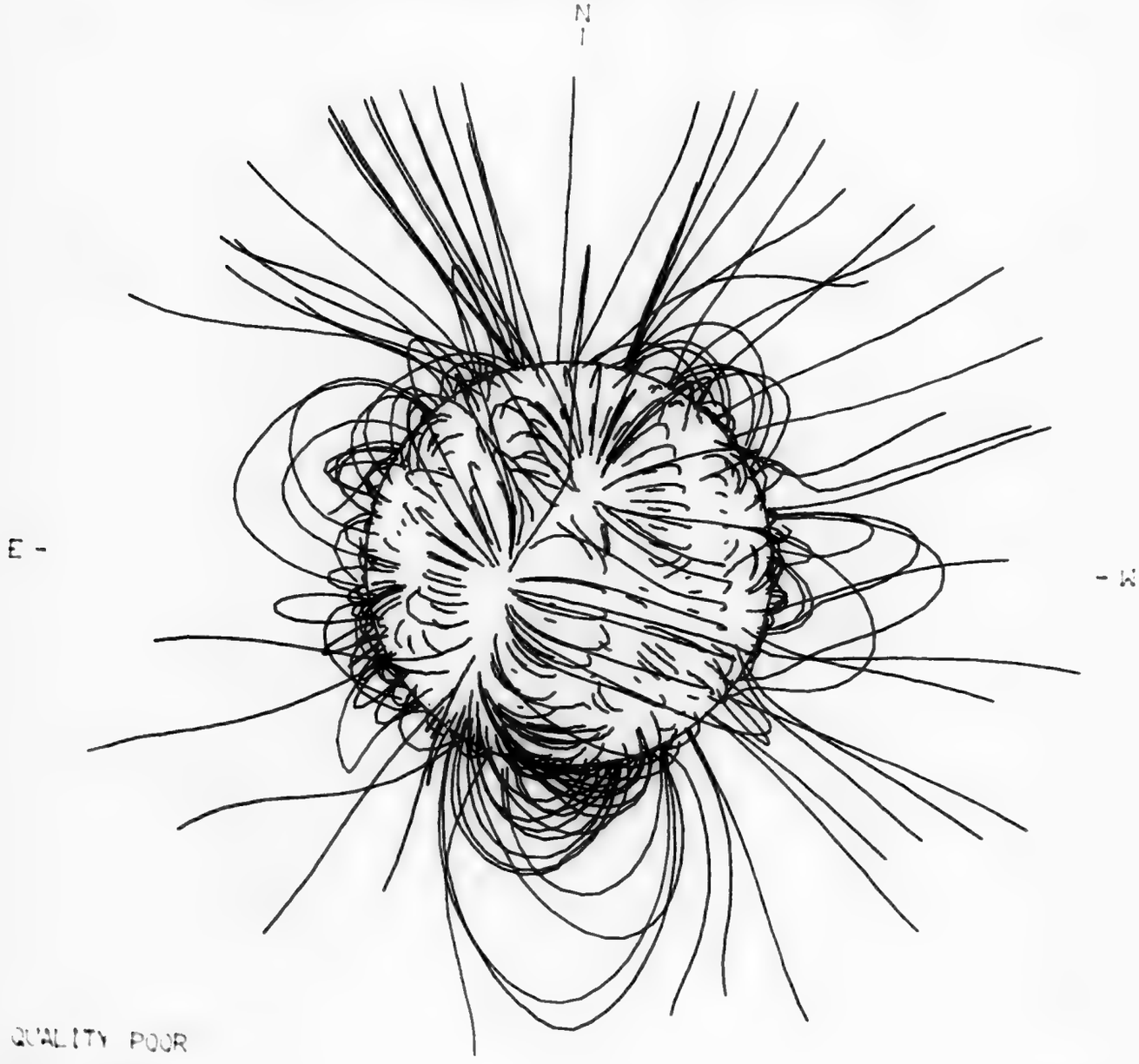
POLES DIRECT

DATA WINDOW 1448.47

ROT. 1448 LONG. 61°

23.9 DEC '96

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.37

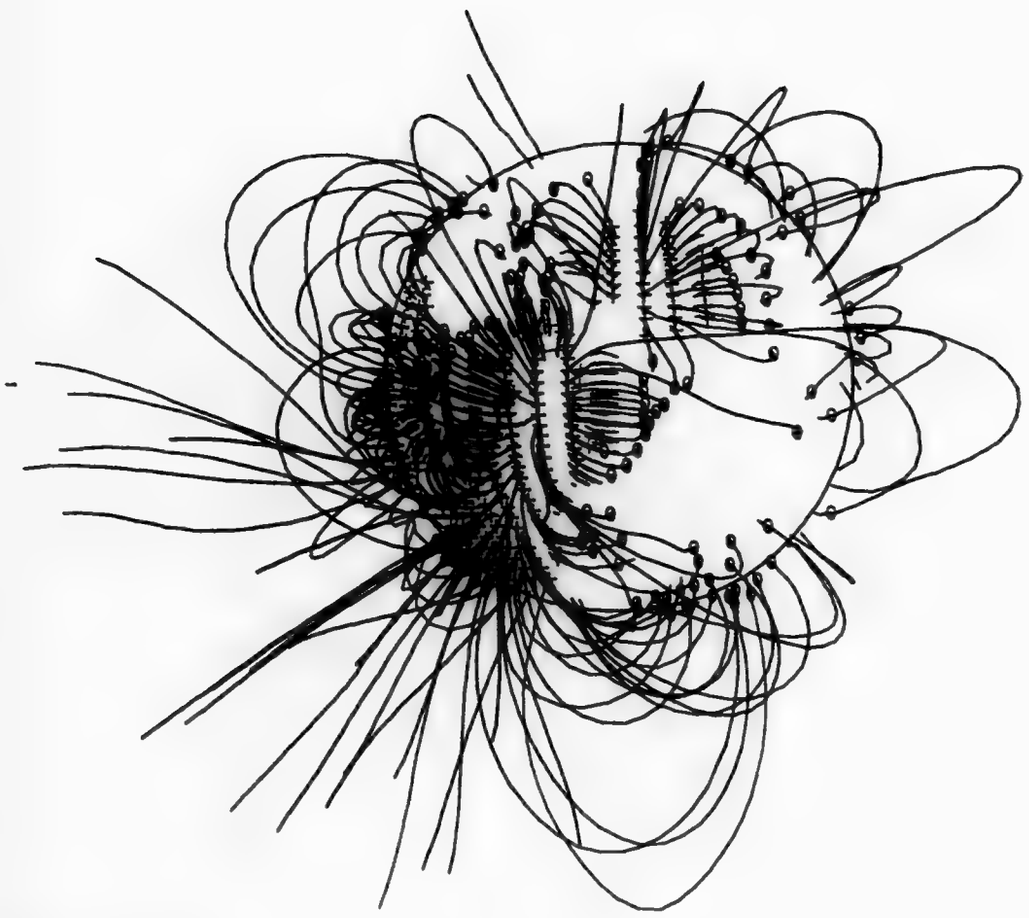
ROT. 1448 LONG. 50°

24.7 SEC 1.45°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

QUALITY POOR

POLES DIRECT

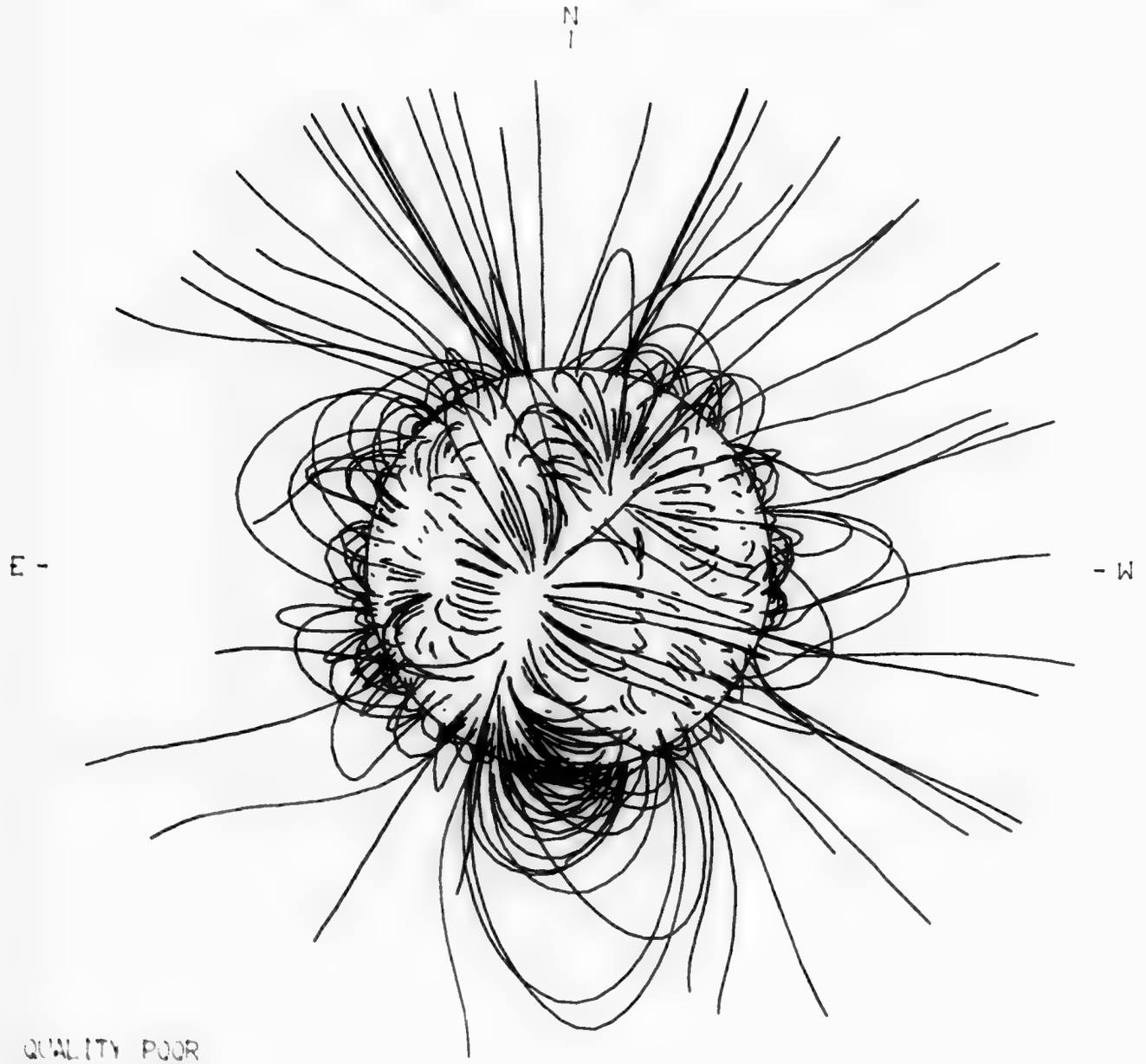
DATA WINDOW 1448.47

S

ROT. 1448 LONG. 5[illegible]°

24.7 SEC [illegible]°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.47

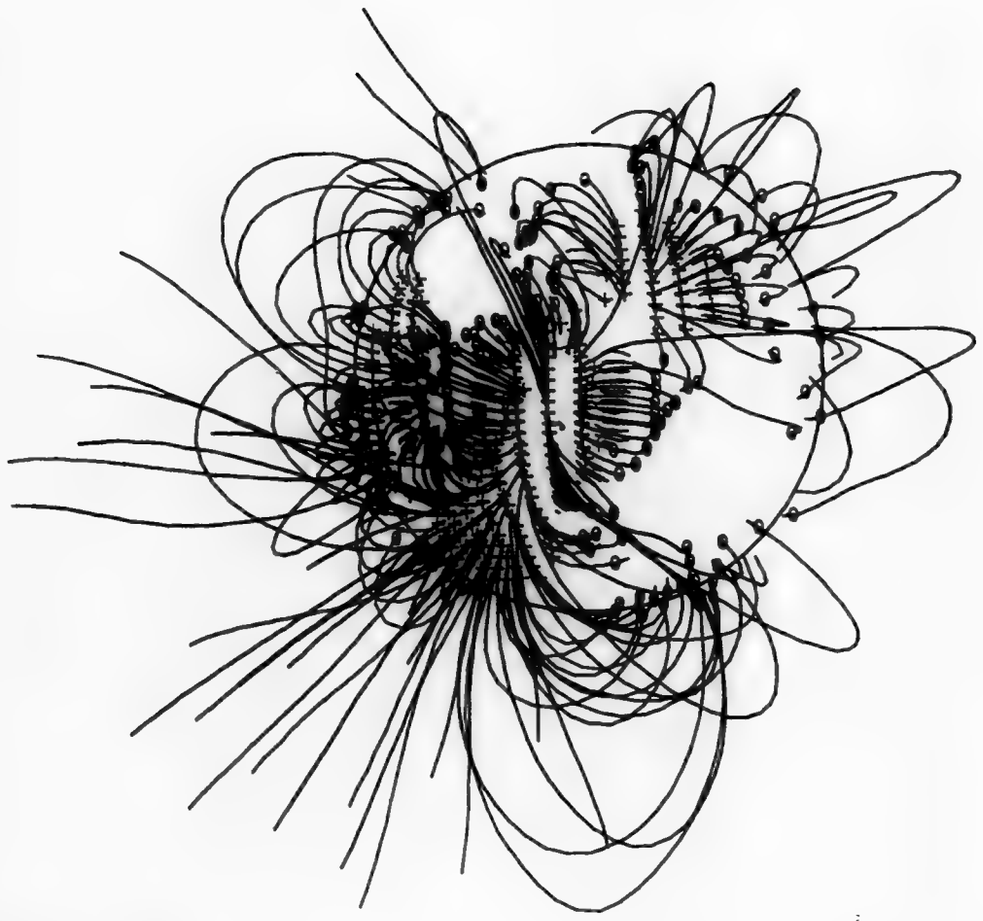
ROT. 1448 LONG. 40°

25.4 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

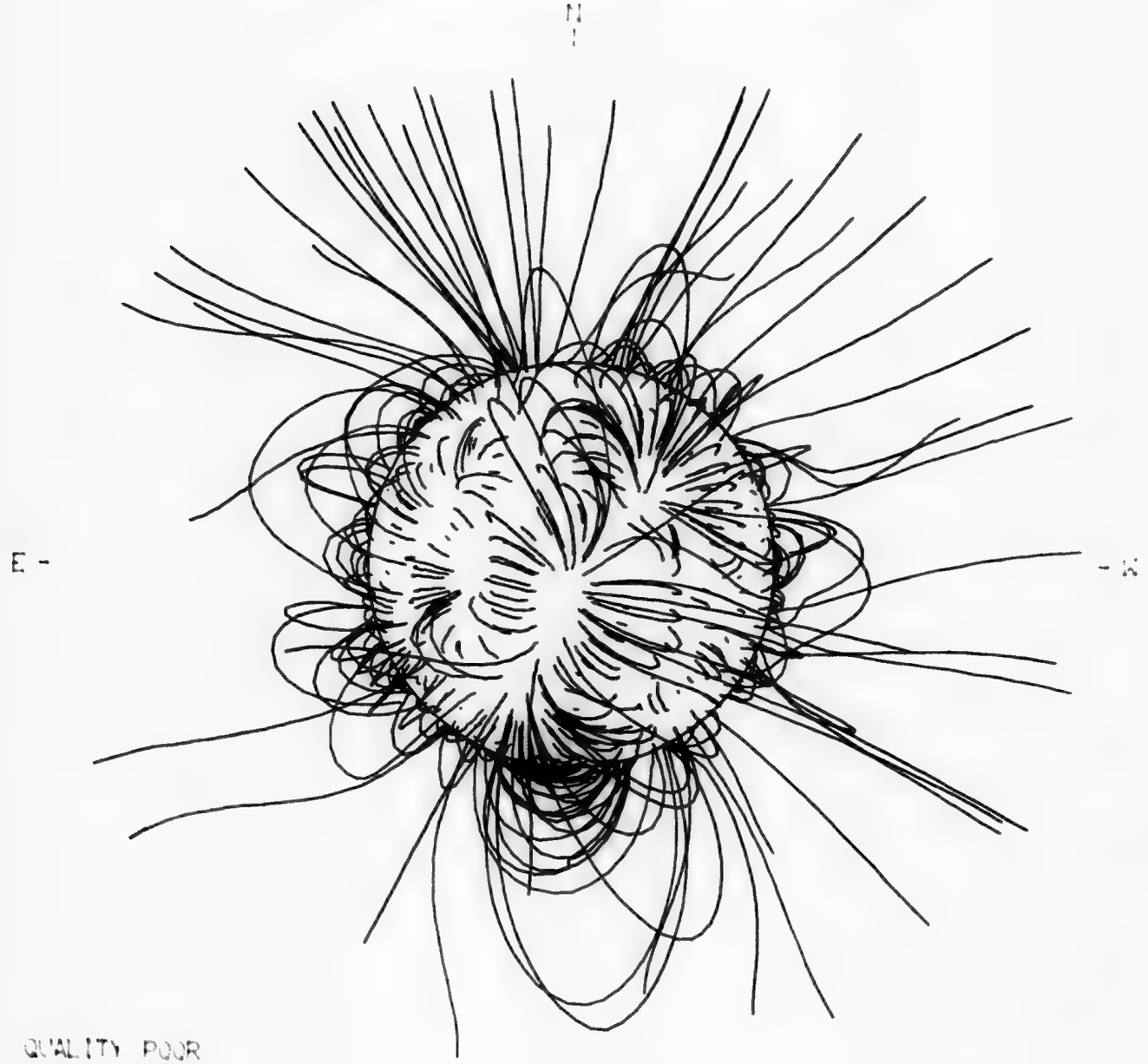
POLES DIRECT

DATA WINDOW 1448.4°

ROT. 1448 LONG. 41°

25.4 SEC 1.4°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.3°

ROT. 1448 LONG. 30°

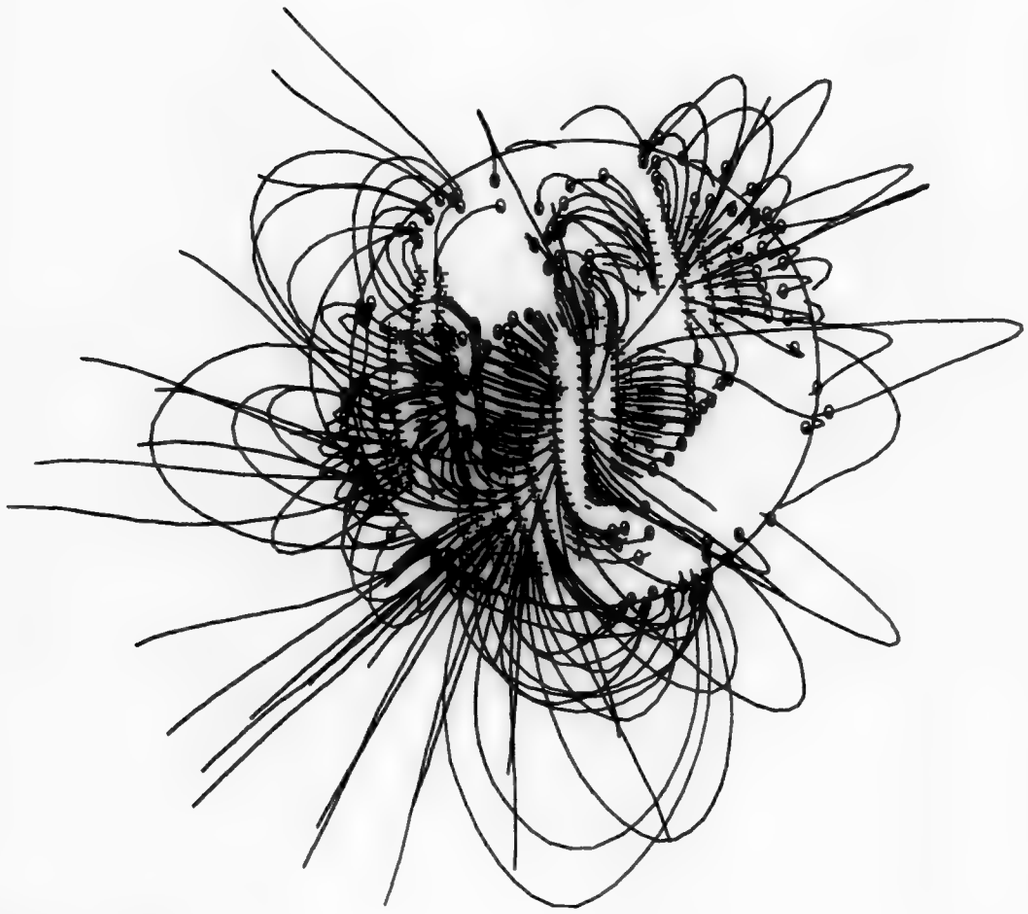
25.2 SEC

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

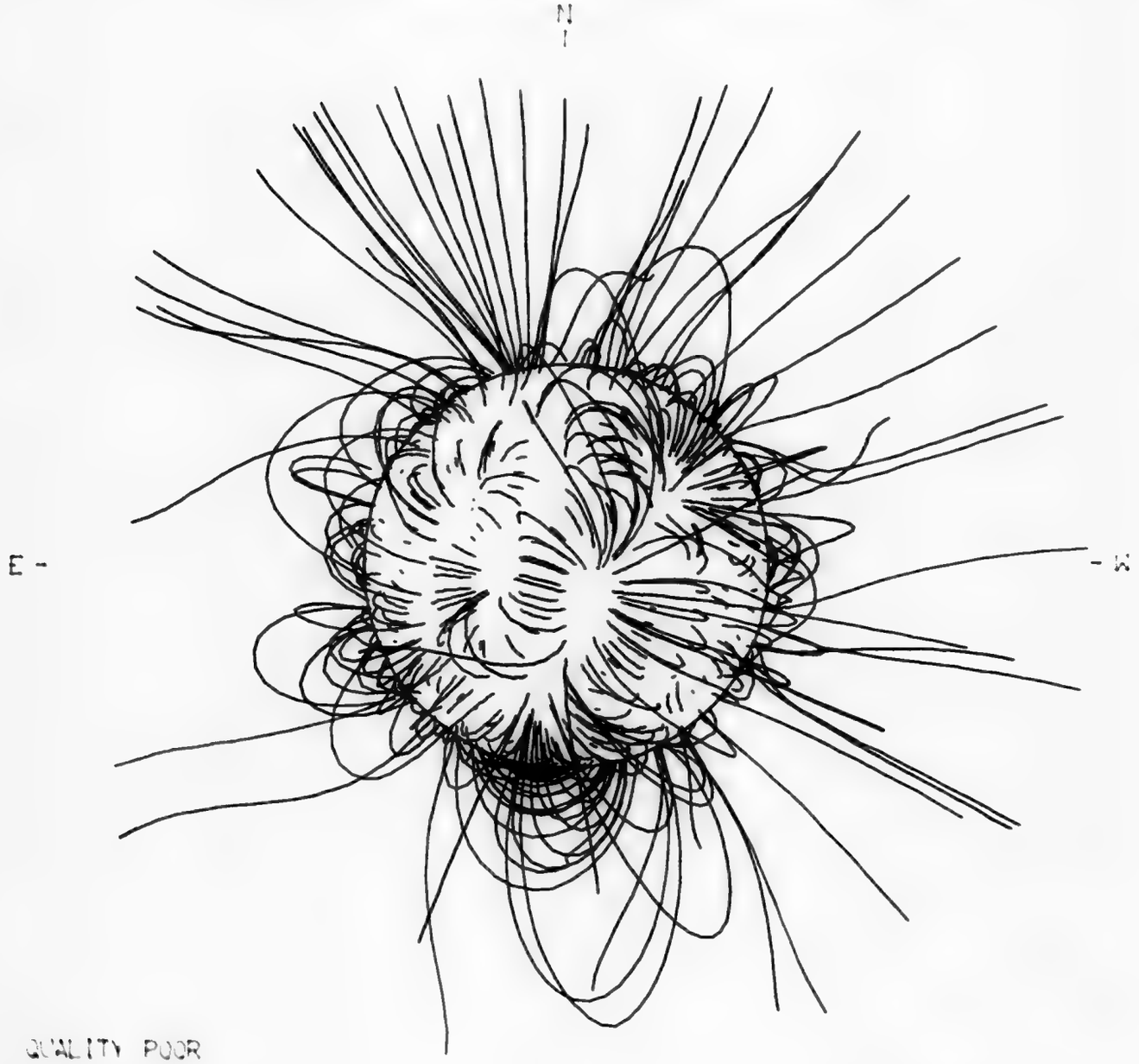
POLES DIRECT

DATA WINDOW 1448.47

ROT. 1448 LONG. 30°

26.2 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.47

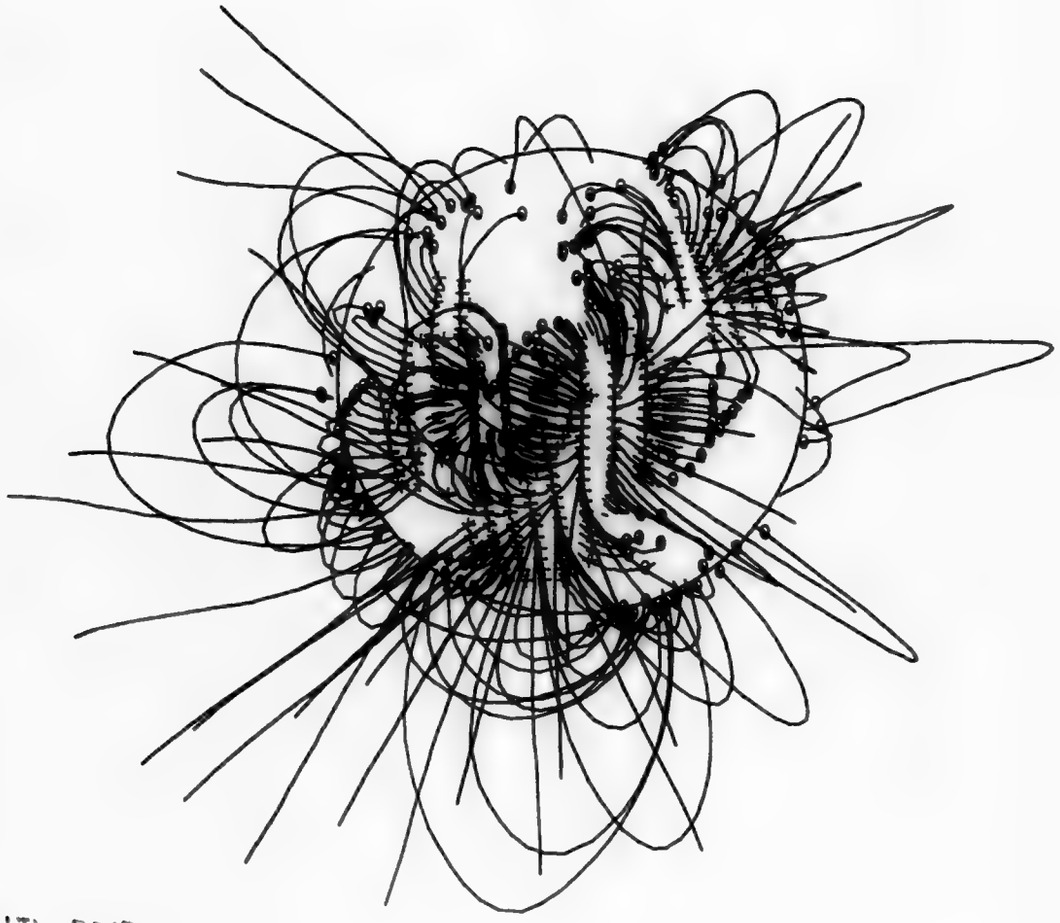
ROT. 1448 LONG. 20°

26.9 DEC 196°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

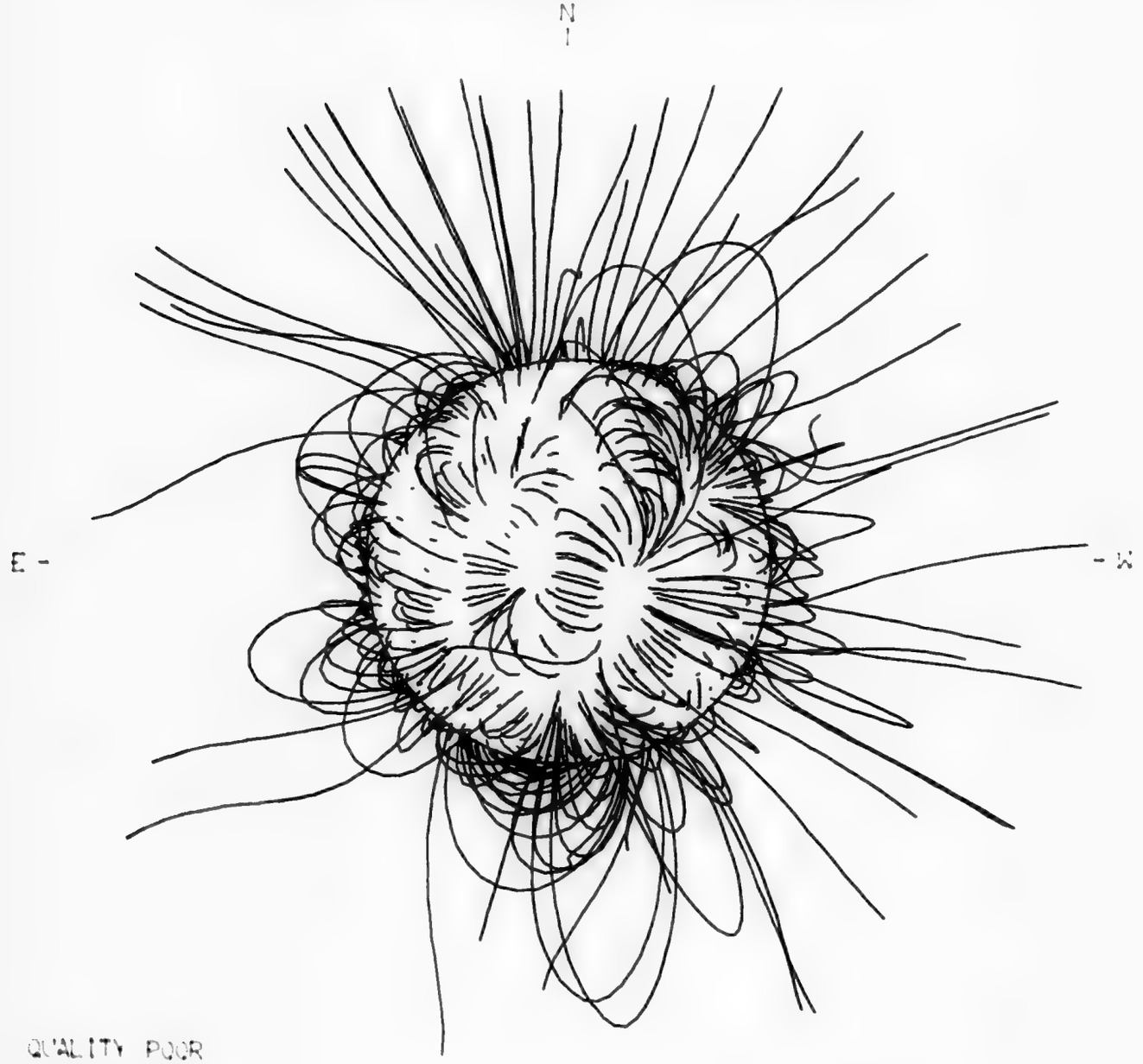
POLES DIRECT

DATA WINDOW 1448.47

ROT. 1448 LONG. 26°

26.9 DEG 1.61

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.47

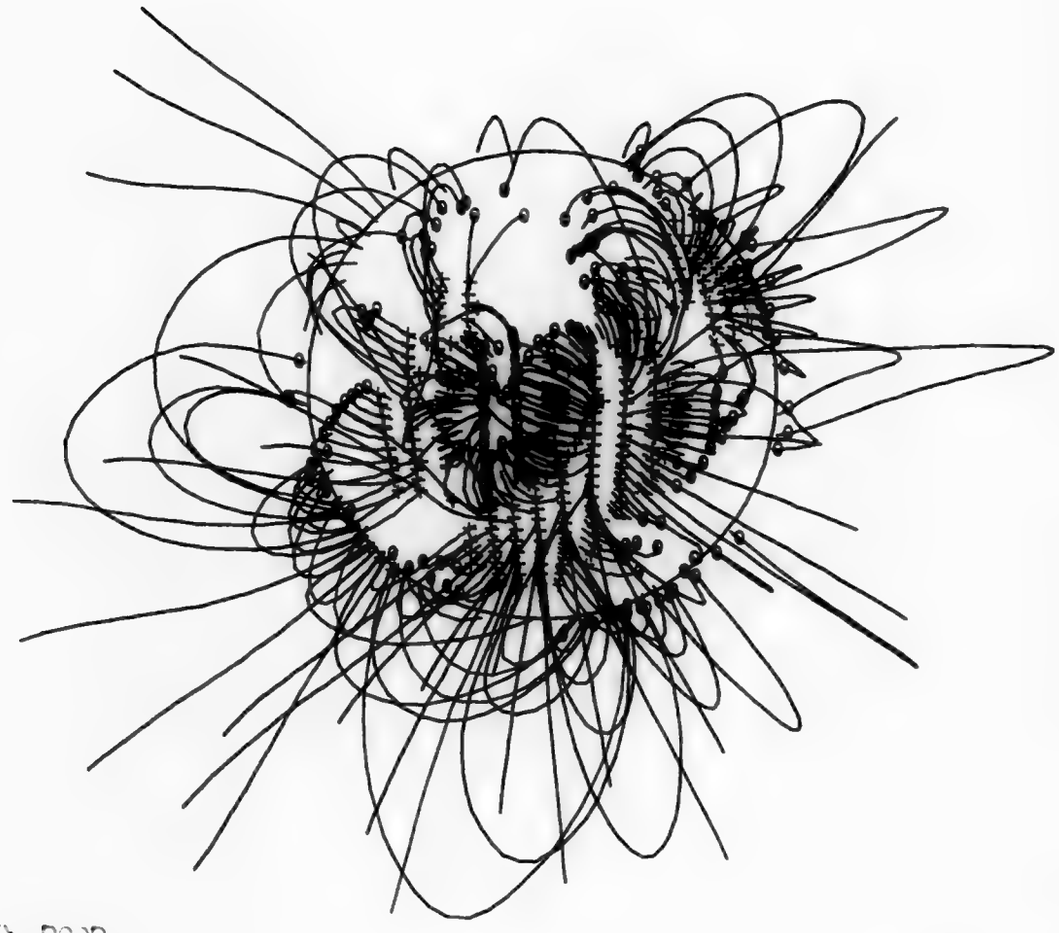
ROT. 1448 LONG. 10°

27.7 SEC 965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

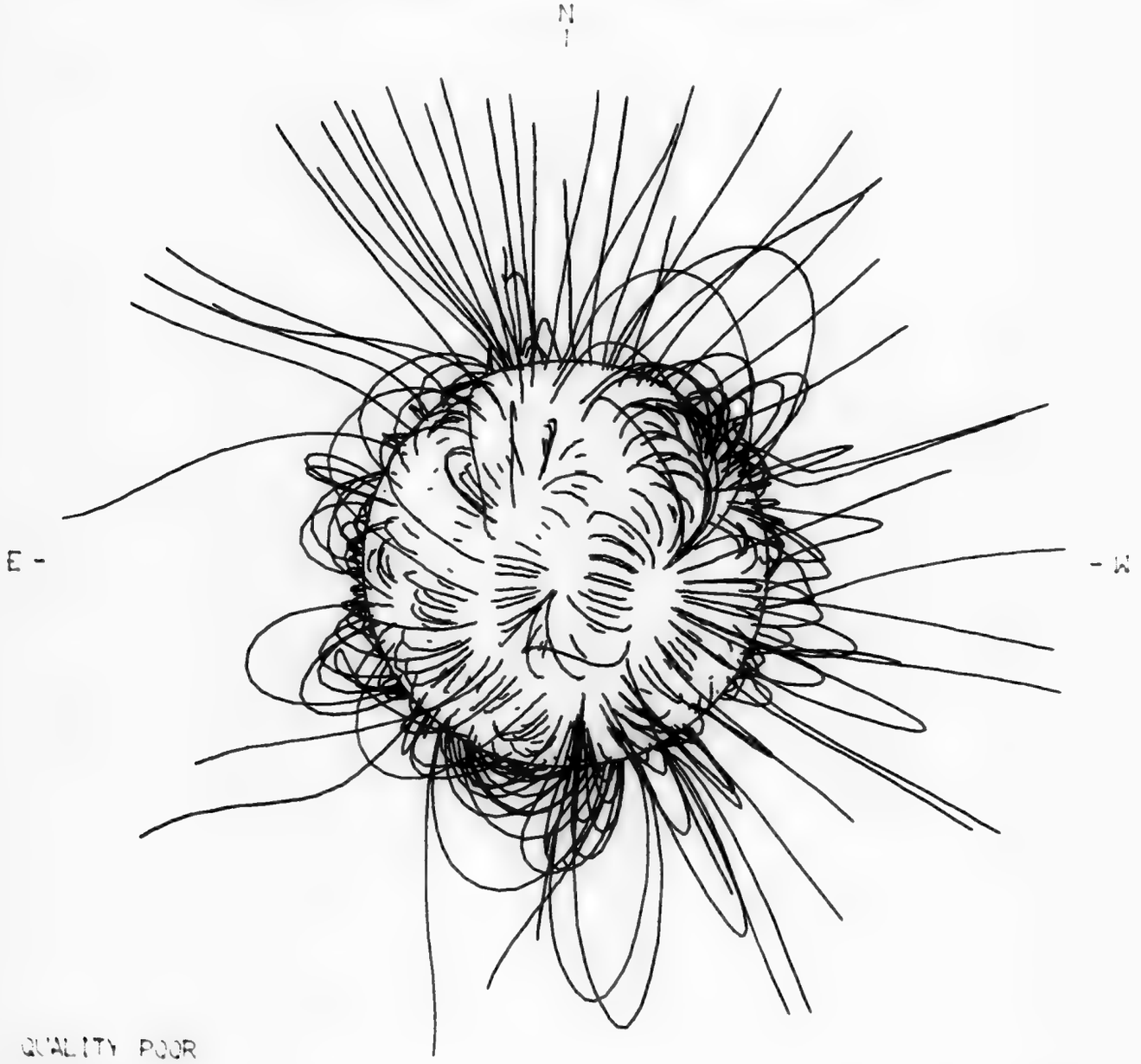
POLES DIRECT

DATA WINDOW 1448.47

ROT. 1448 LONG. 0°

27.7 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.47

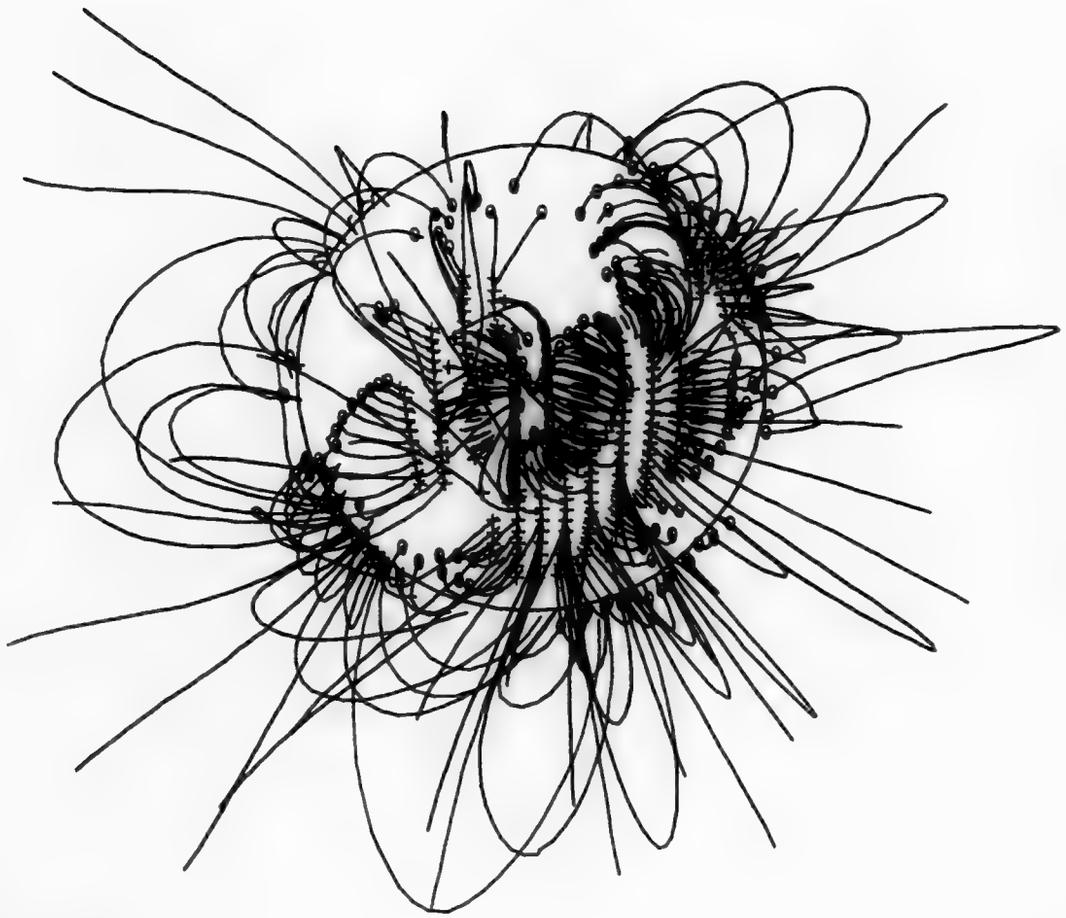
ROT. 1448 LONG. 0°

28.5 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

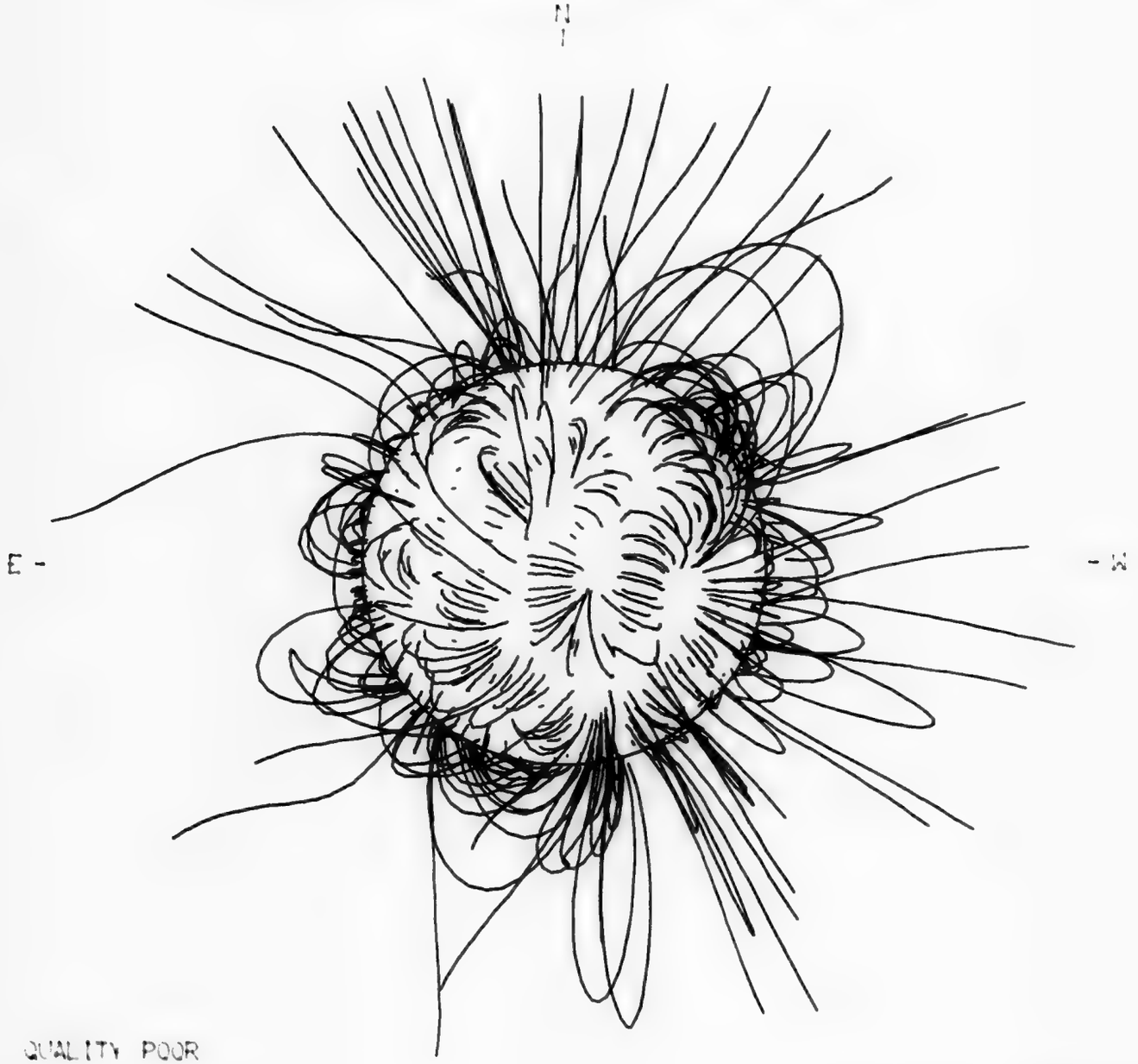
POLES DIRECT

DATA WINDOW 1448.47

ROT. 1448 LONG. 0°

28.5 DEC 196

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.47

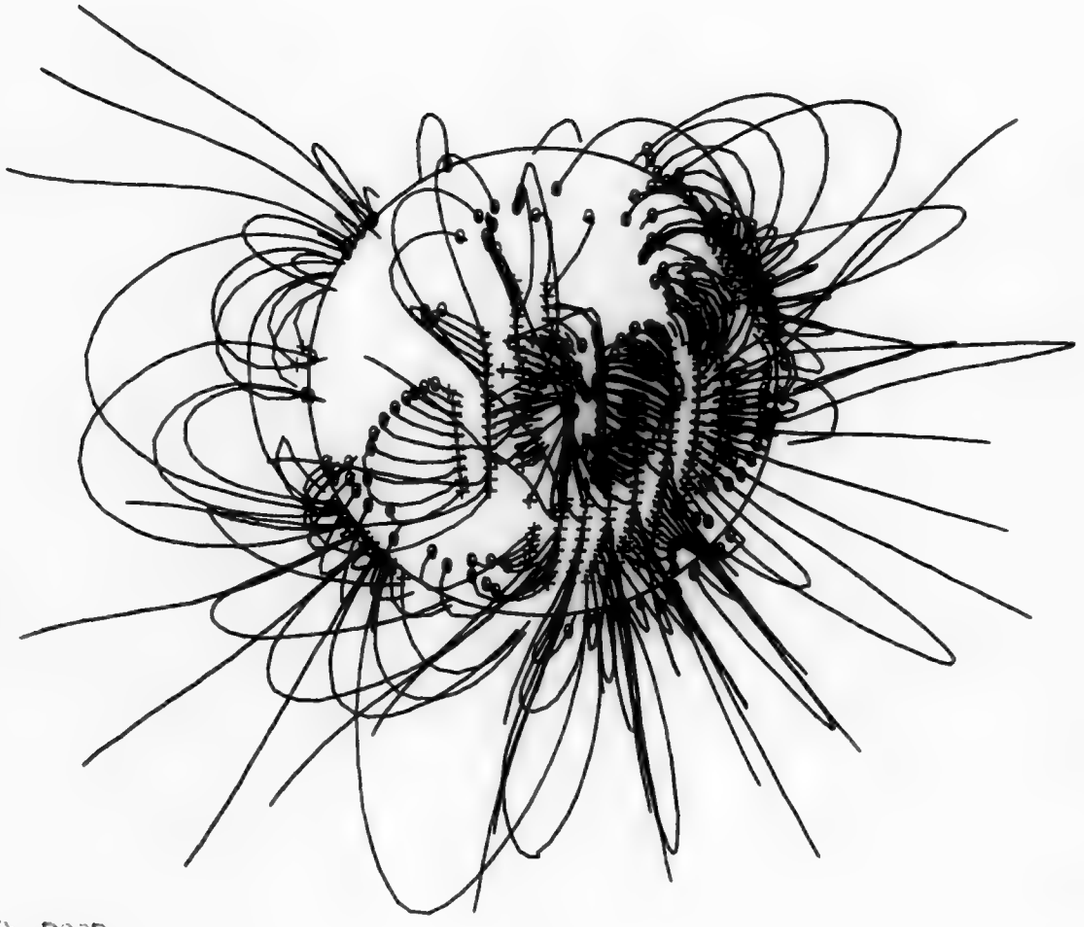
ROT. 1449 LONG. 350°

29.2 DEC '95

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

QUALITY POOR

POLES DIRECT

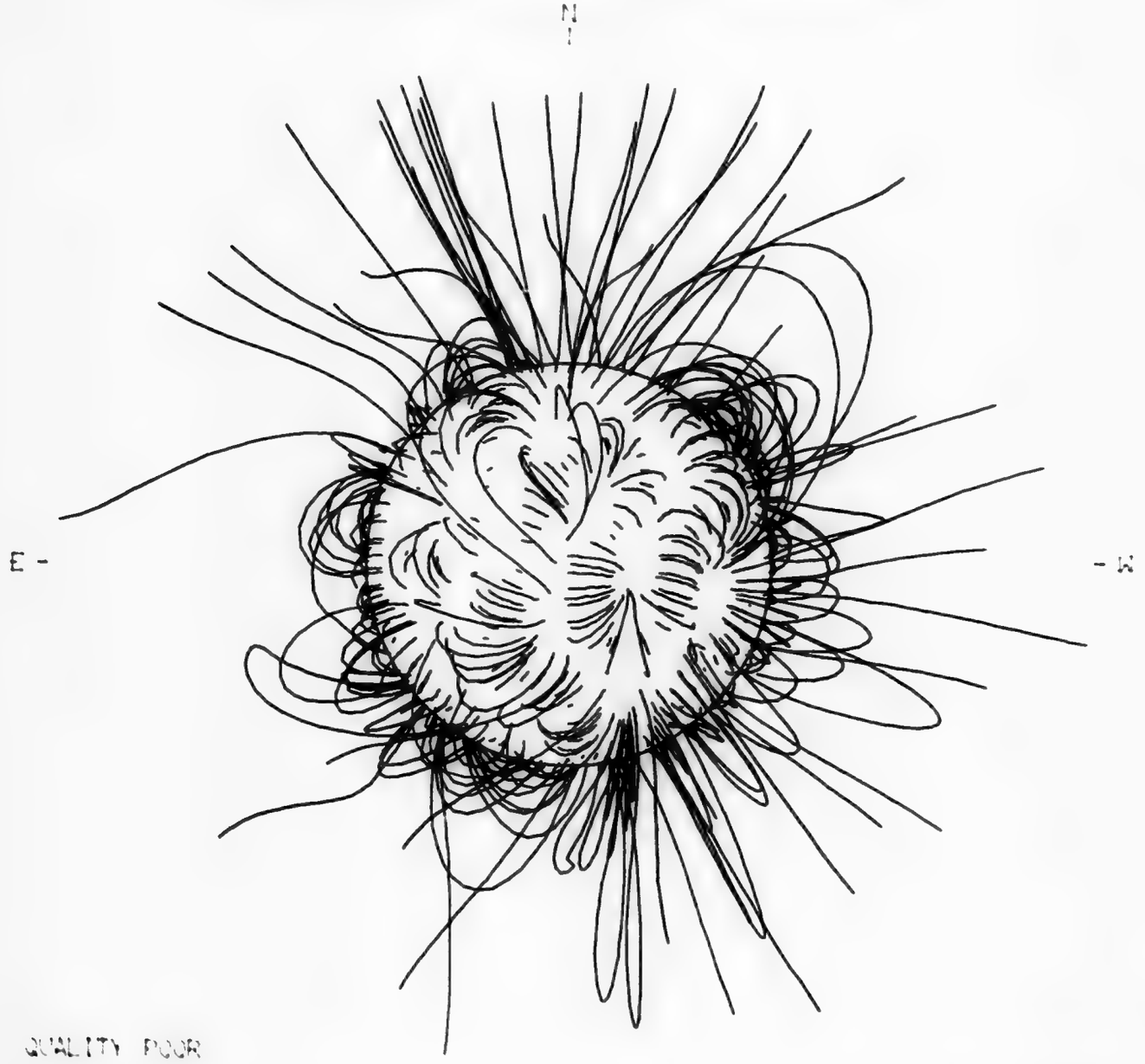
DATA WINDOW 1448.47

S

ROT. 1449 LONG. 356°

29.2 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.0[illegible]

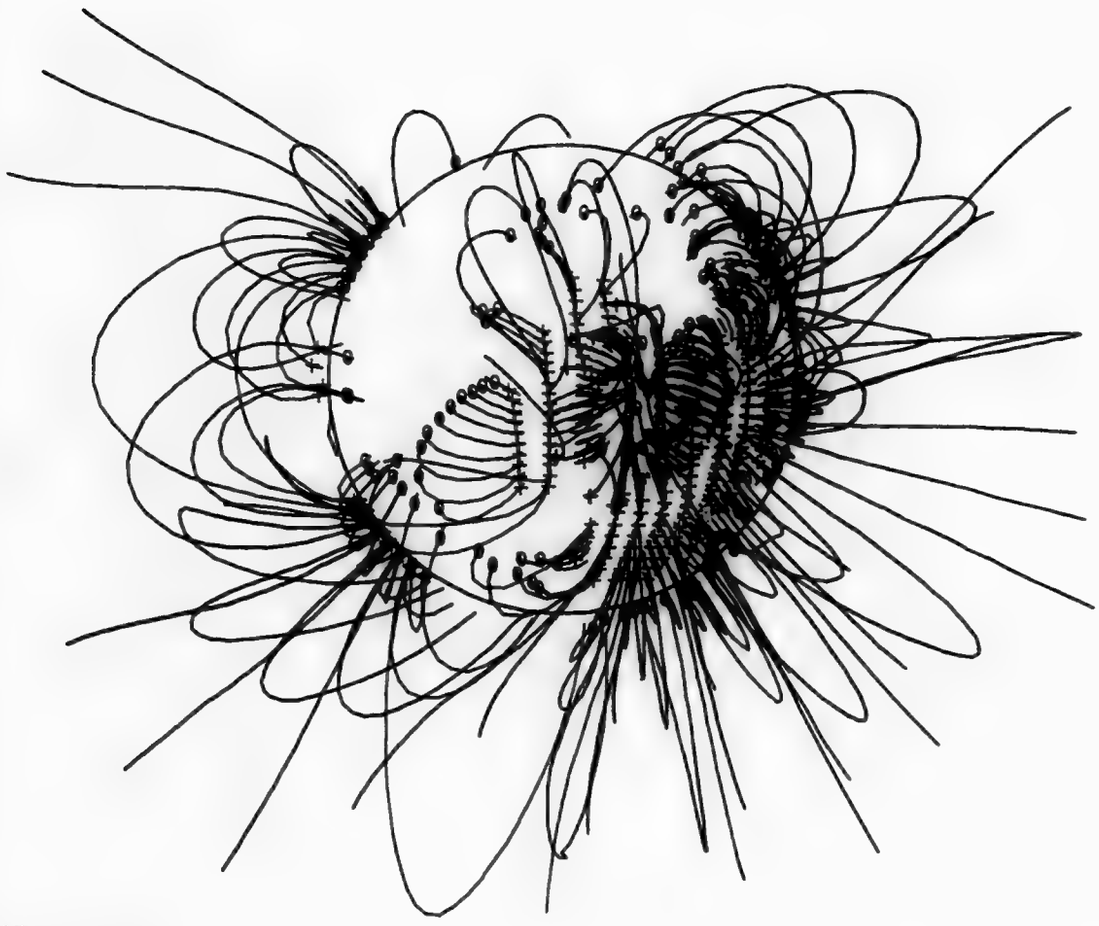
ROT. 1[illegible] LONG. 3[illegible]°

30.0 DEG [illegible]°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

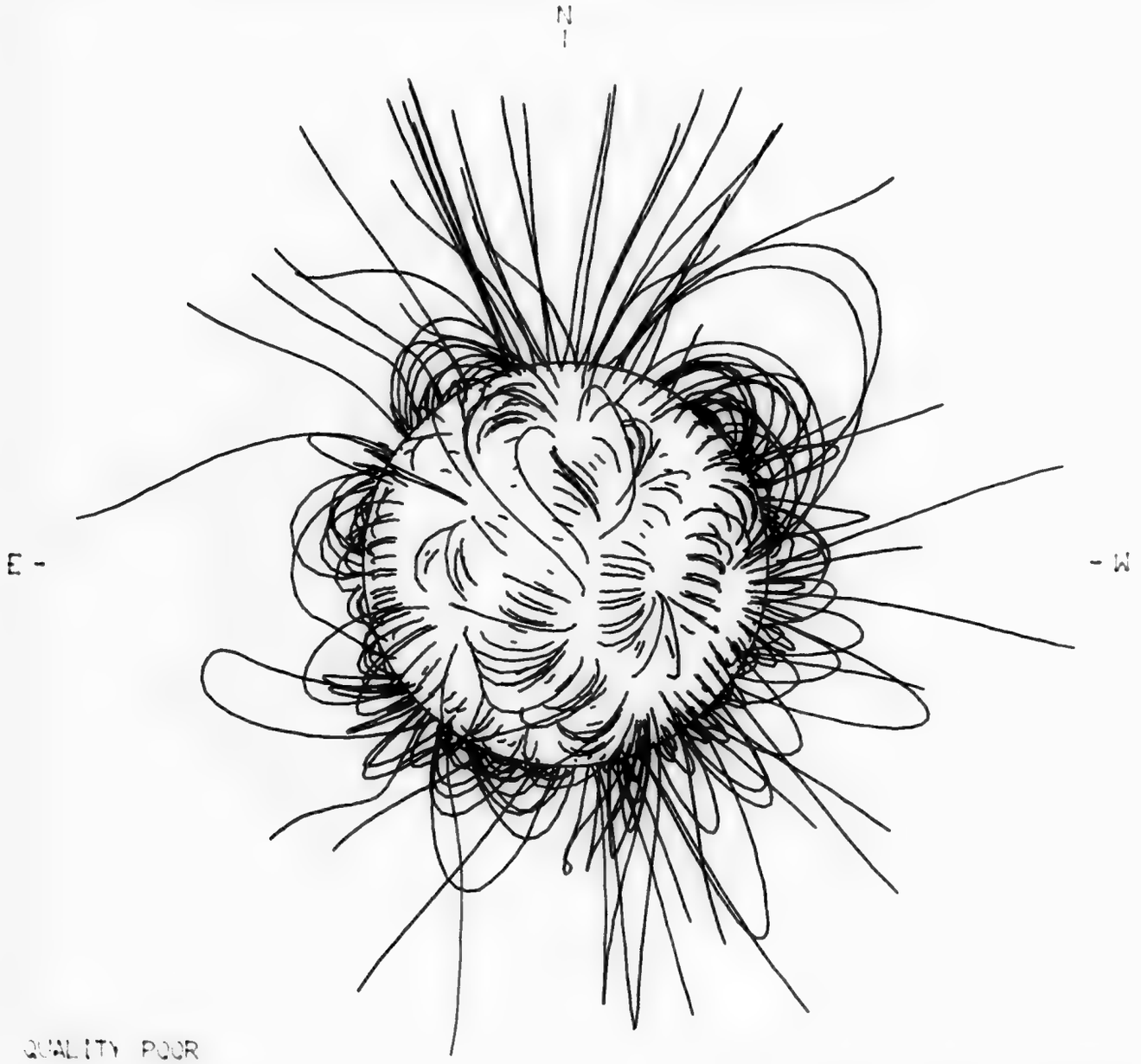
POLES DIRECT

DATA WINDOW 1448.47

ROT. 1449 LONG. 340°

30.0 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.47

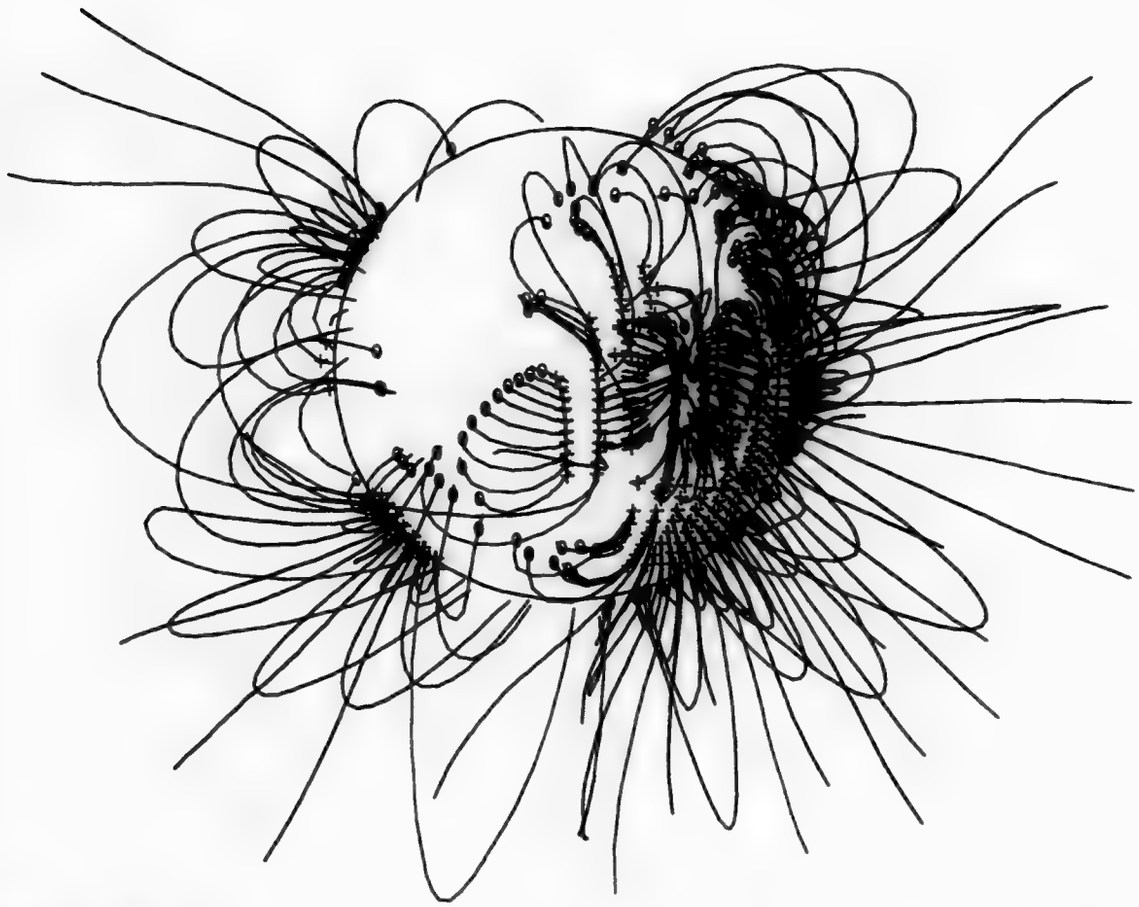
ROT. 1449 LONG. 330°

30.7 DEC 1967

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.47

ROT. 1449 LONG. 330°

30.7 DEG 145°

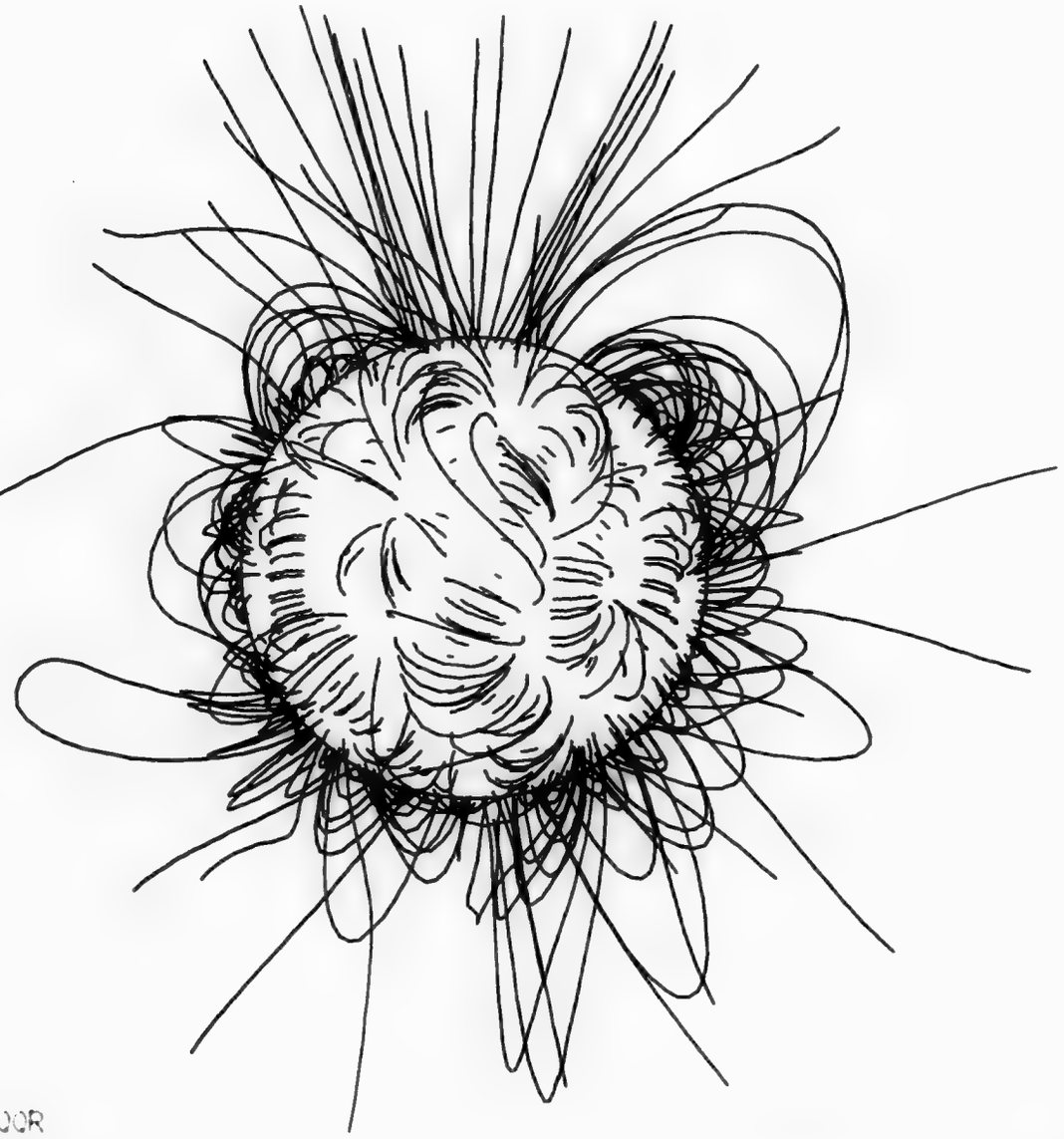
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.4?

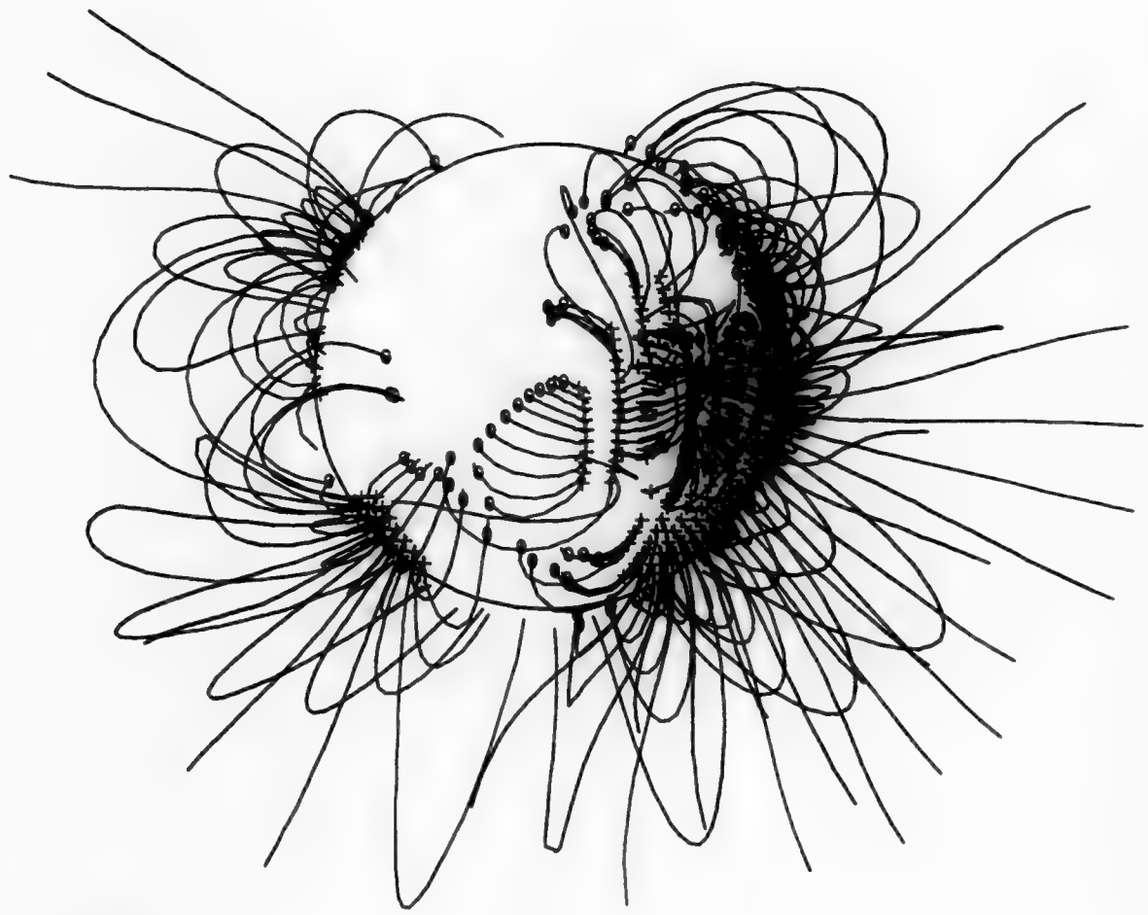
ROT. 1449 LONG. 320°

31.5 DEC 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.47

ROT. 1449 LONG. 321°

31.5 DEC 19°

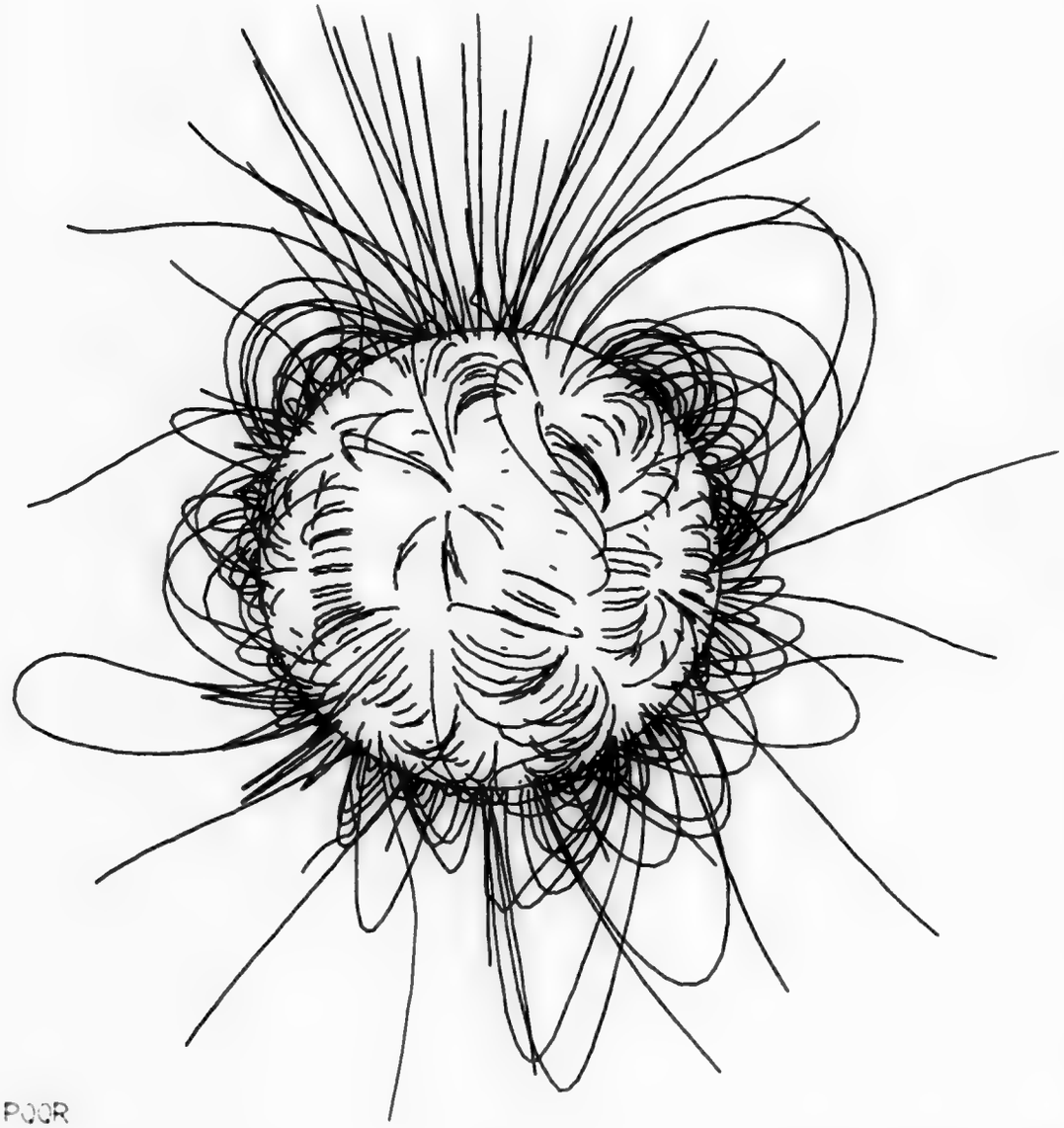
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.47

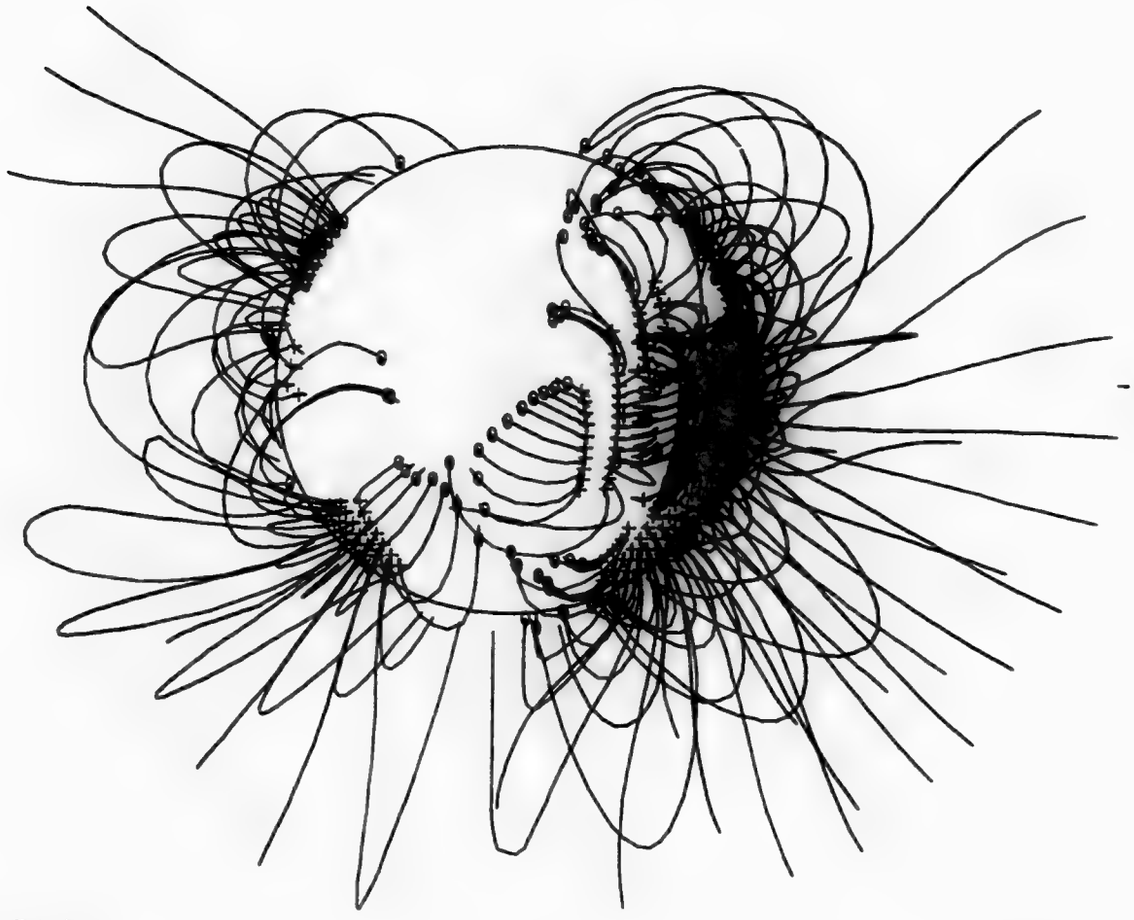
ROT. 1449 LONG. 3[illegible]°

12 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.47

ROT. 1449 LONG. 3[illegible]°

1.2 [illegible] 1962

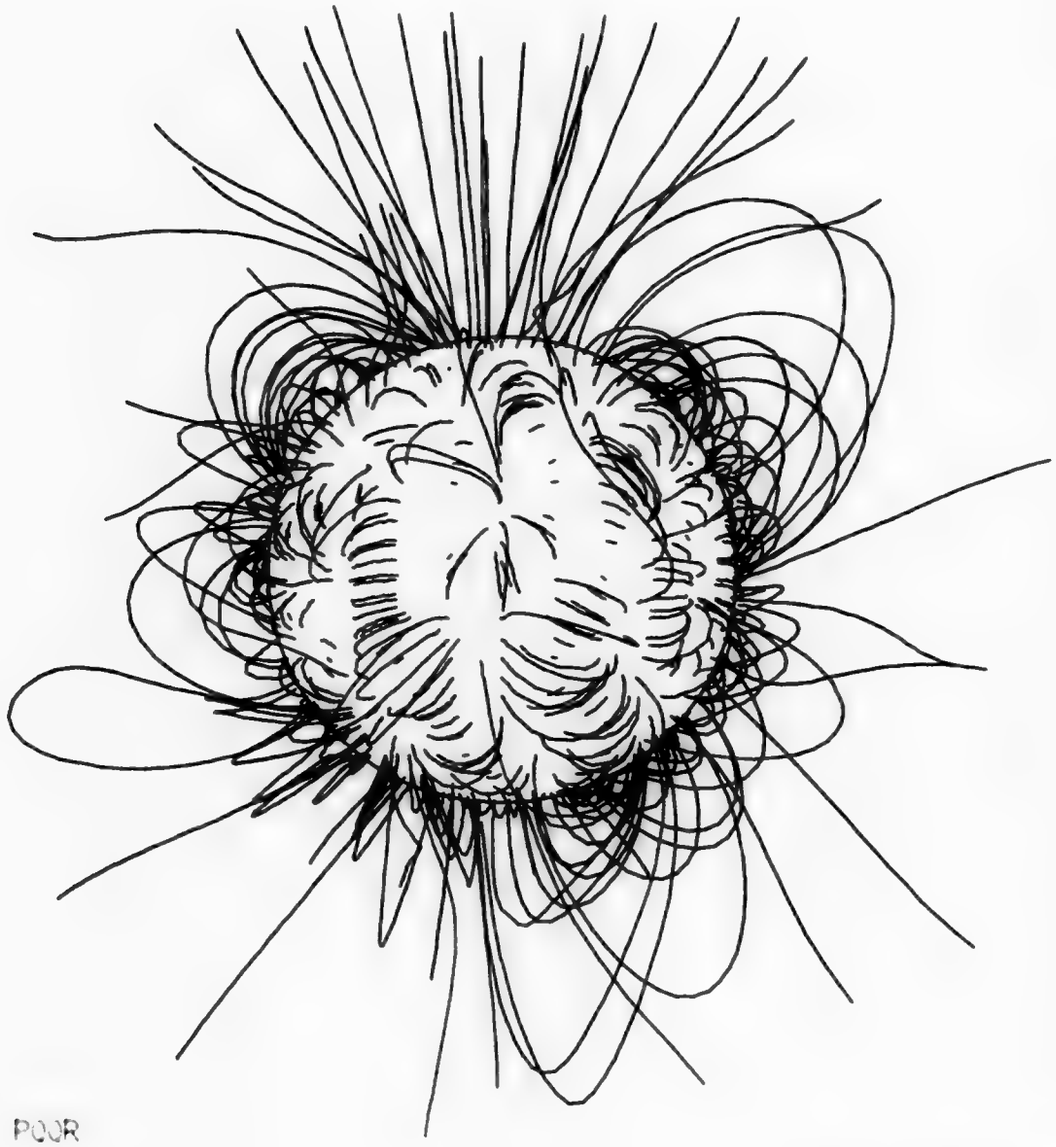
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.4°

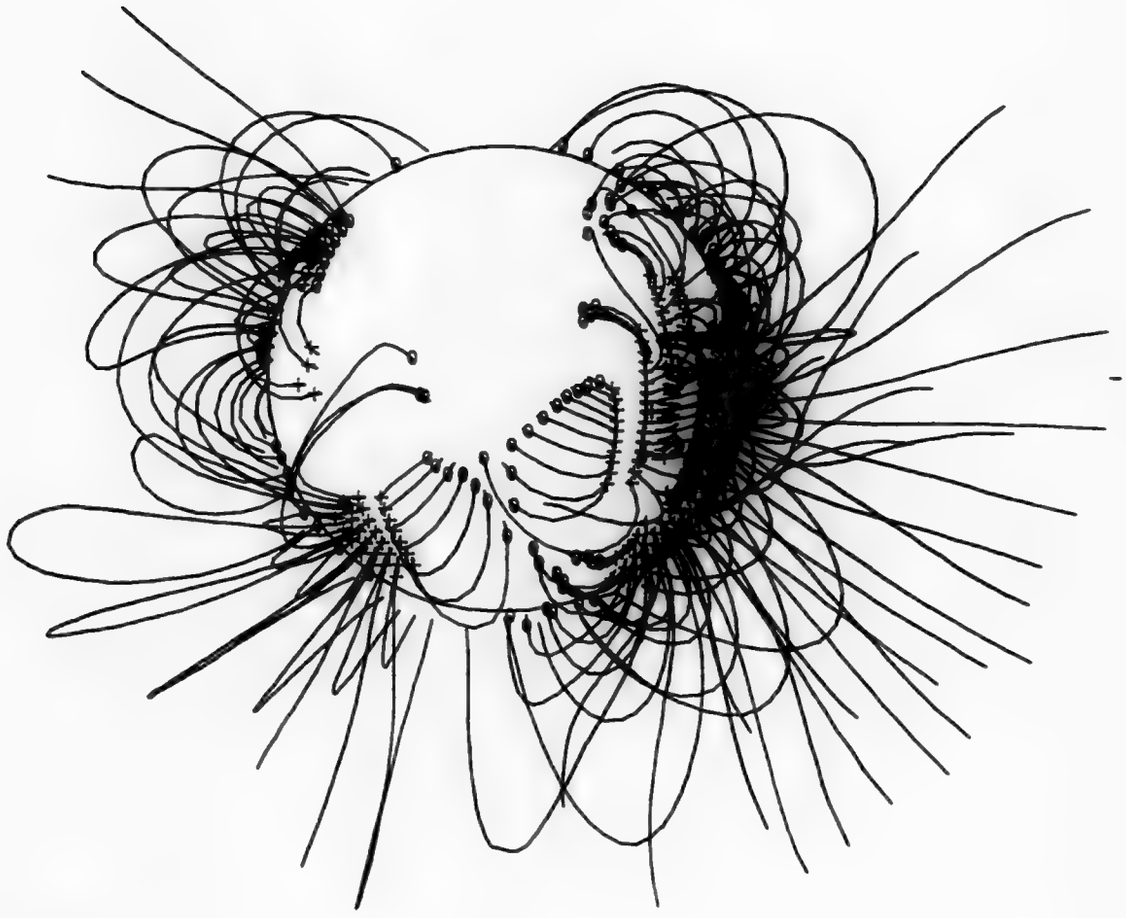
ROT. 1449 LONG. 300°

2.0 CR: 1462

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.47

ROT. 1449 LONG. 300°

2.0 JAN 1952

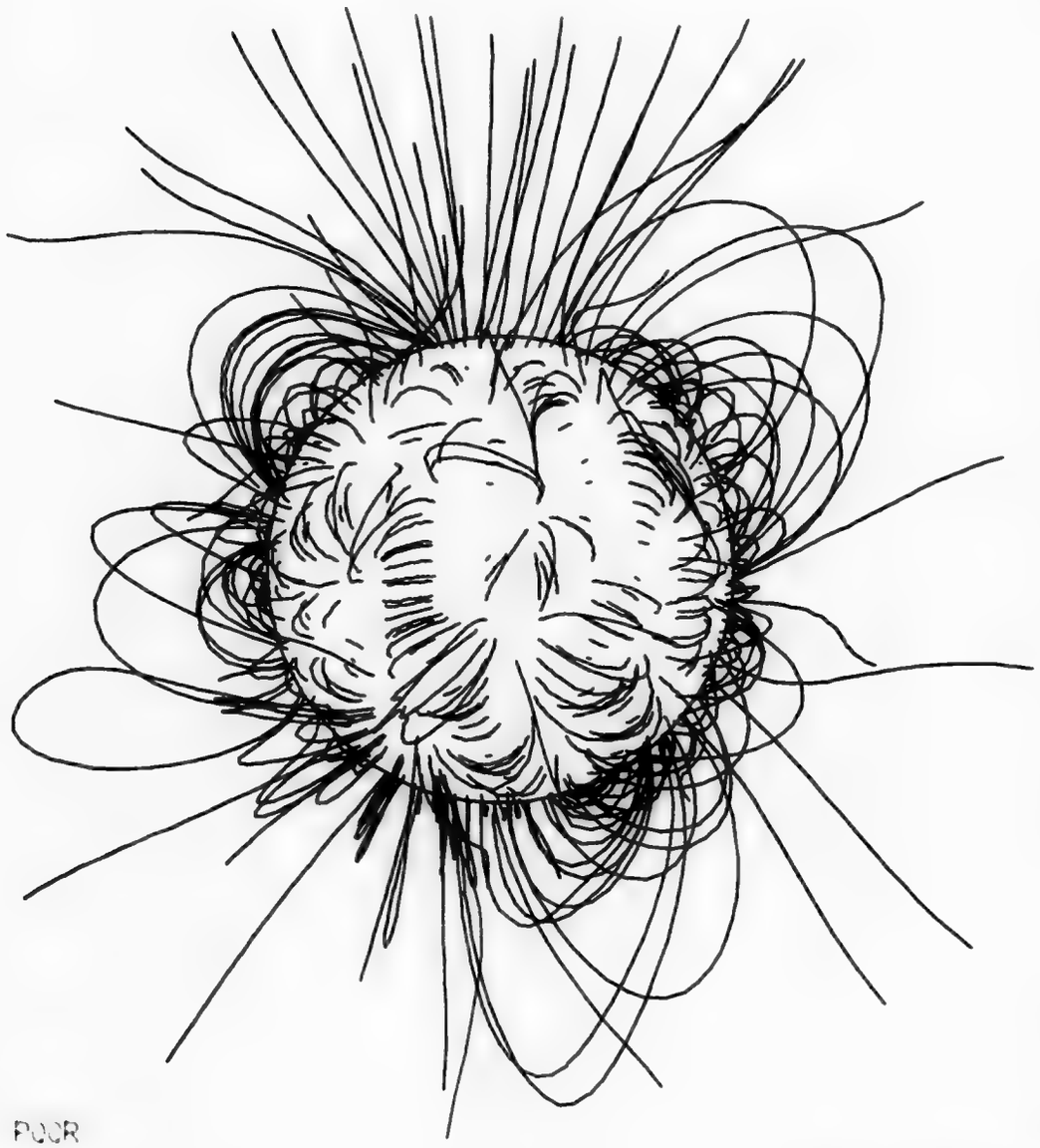
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.47

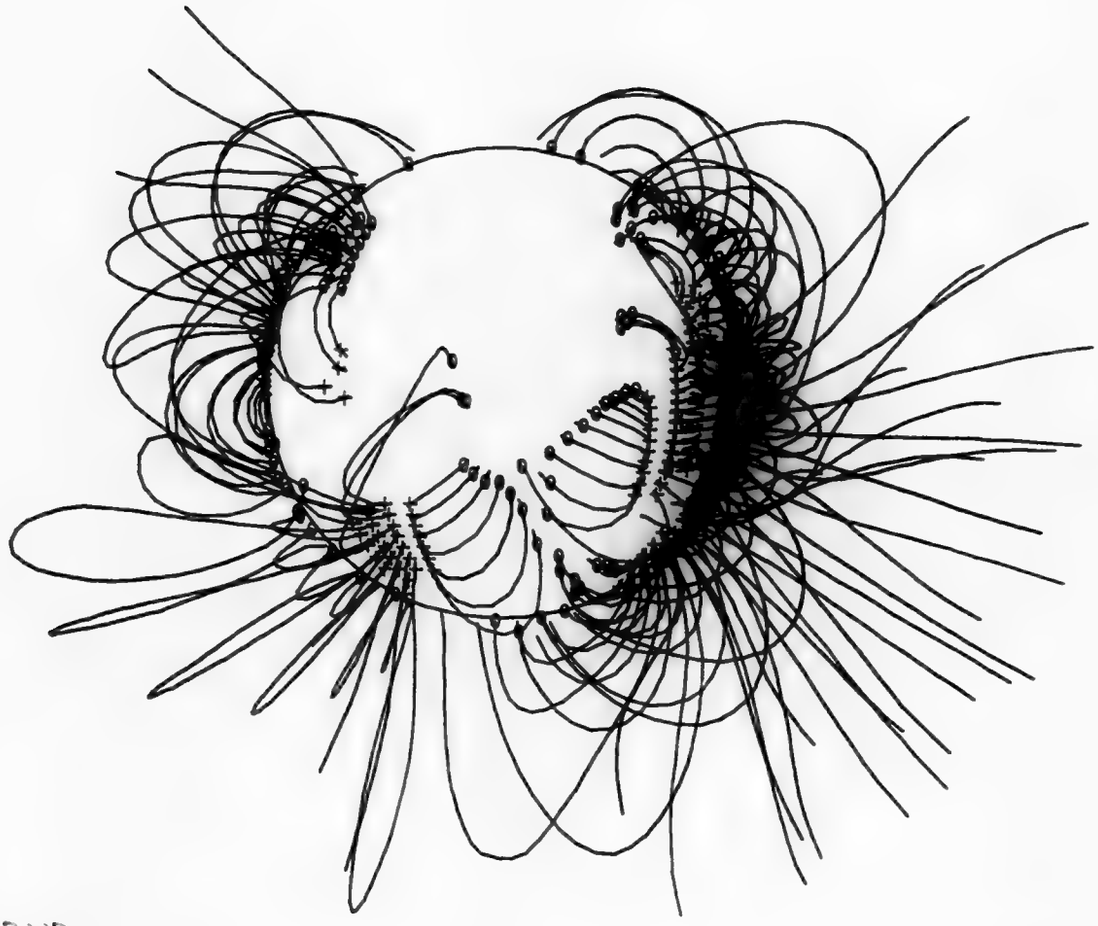
ROT. 1449 LONG. 290°

28 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

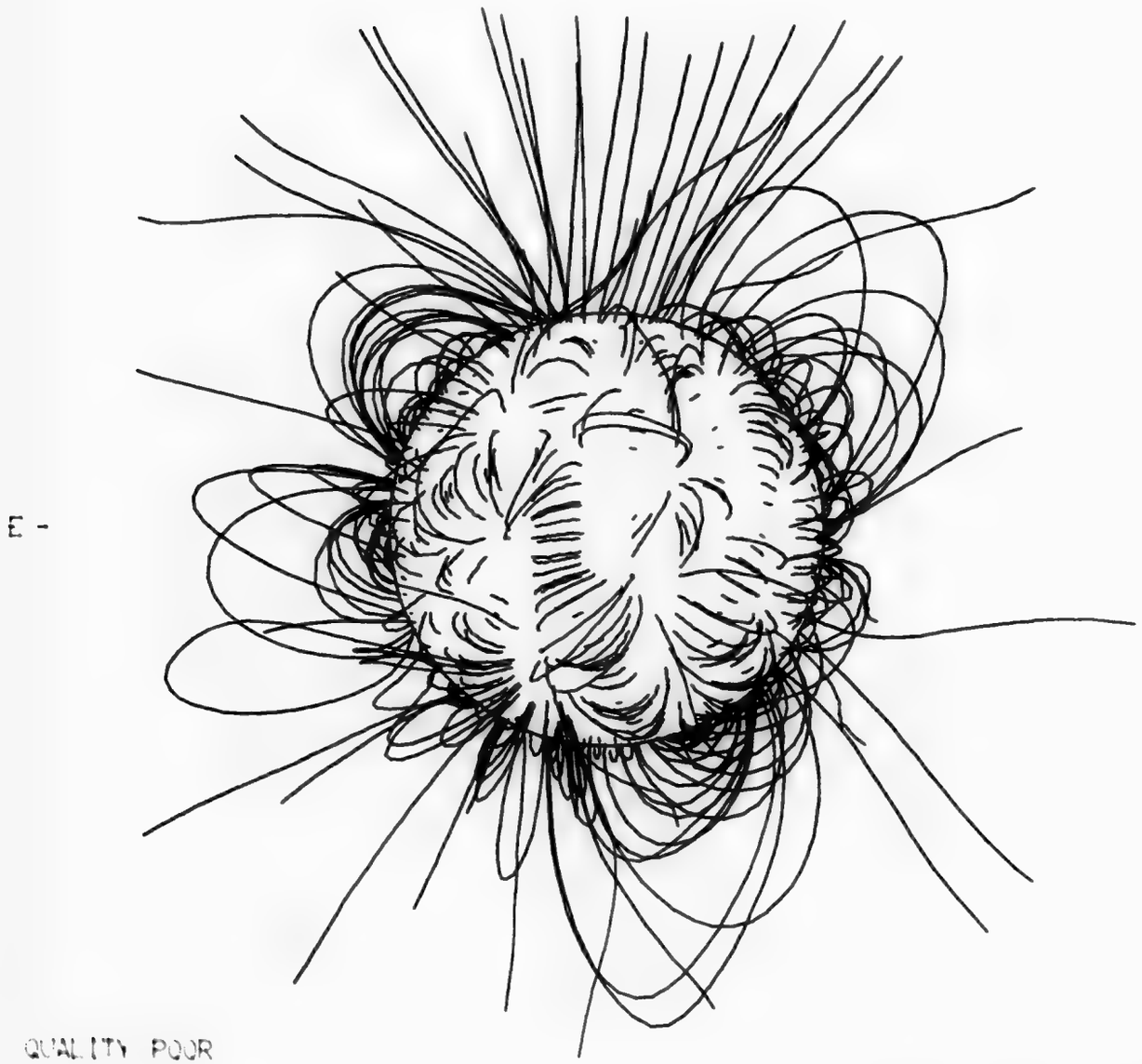
POLES DIRECT

DATA WINDOW 1448.47

ROT. 1449 LONG. 240°

2.8 JAN 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.118.47

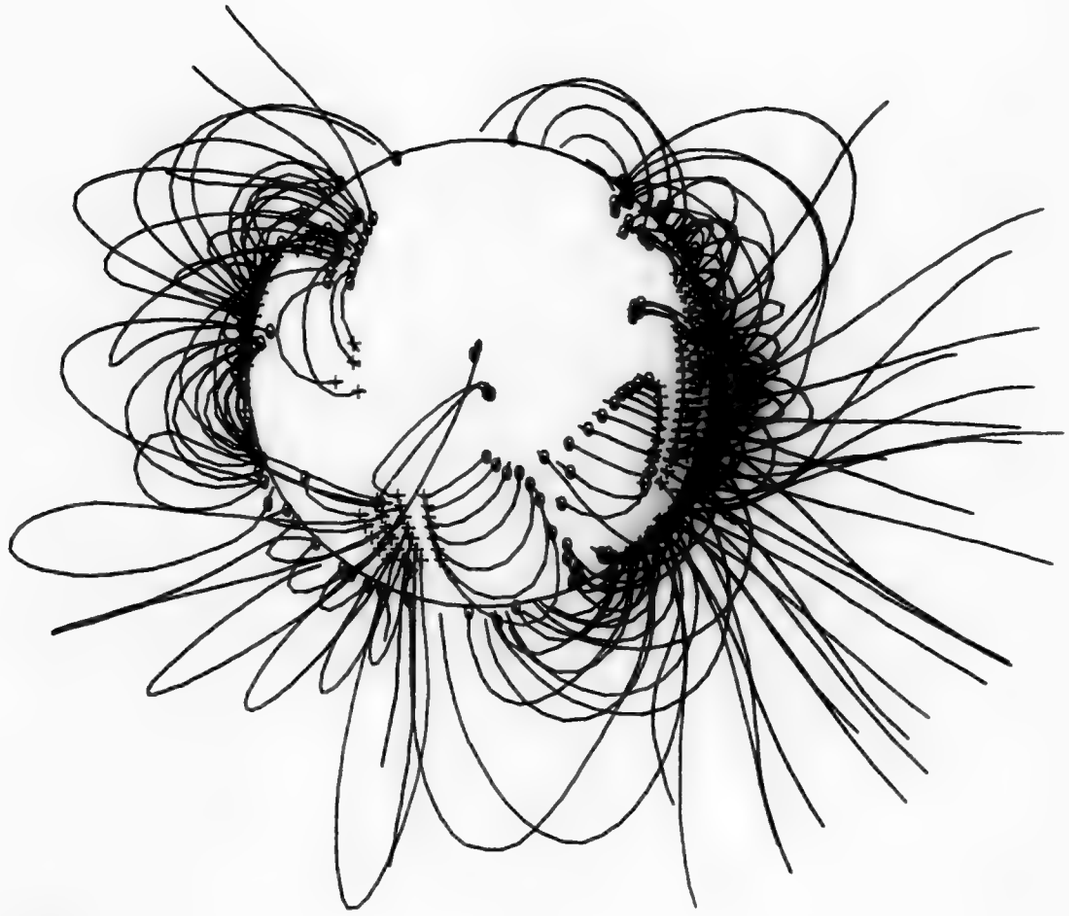
ROT. 1449 2013. 280°

3.5 GAUSS 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

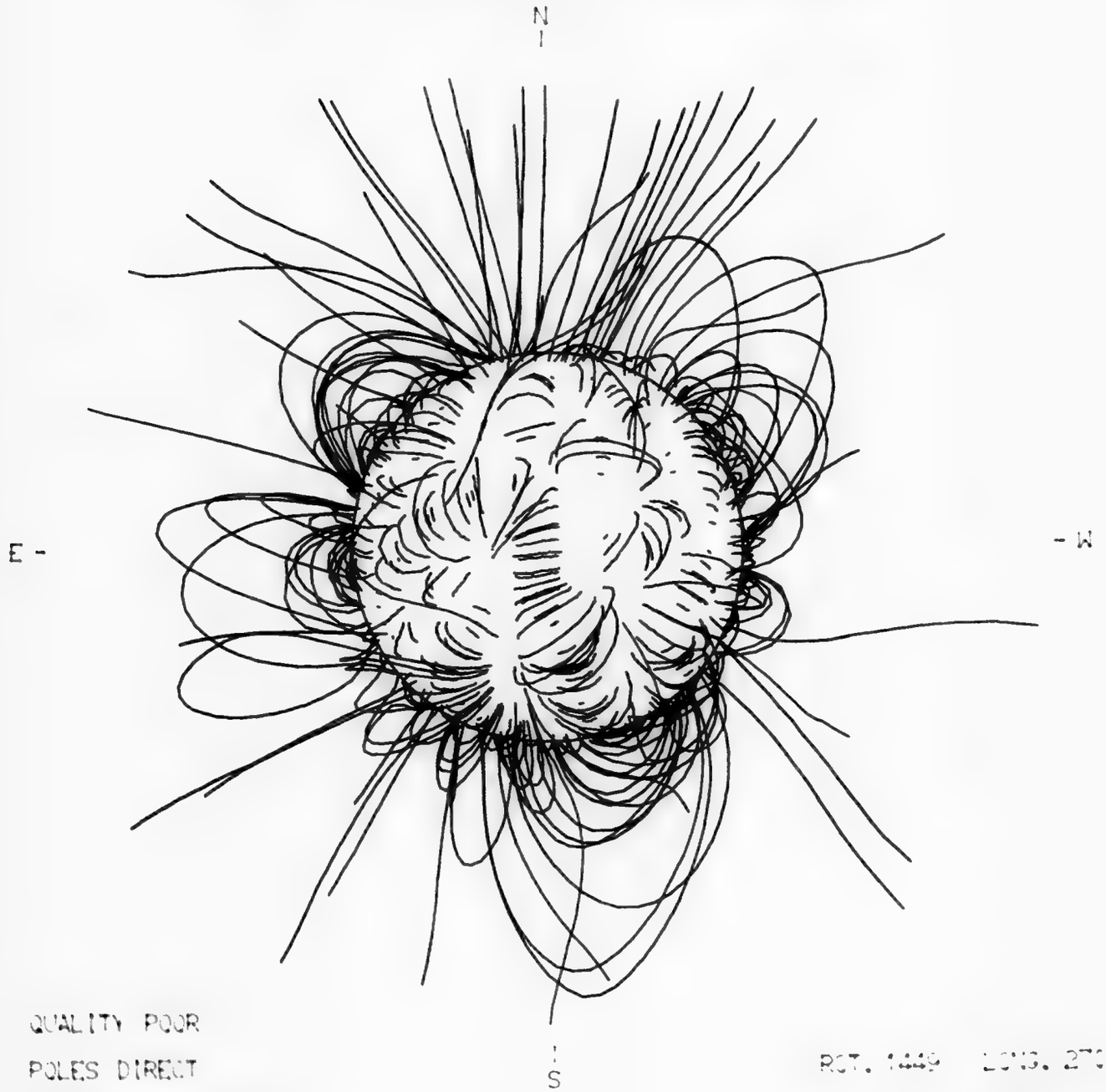
POLES DIRECT

DATA WINDOW 1448.47

ROT. 1449 LONG. 280°

3.5 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1448.4T

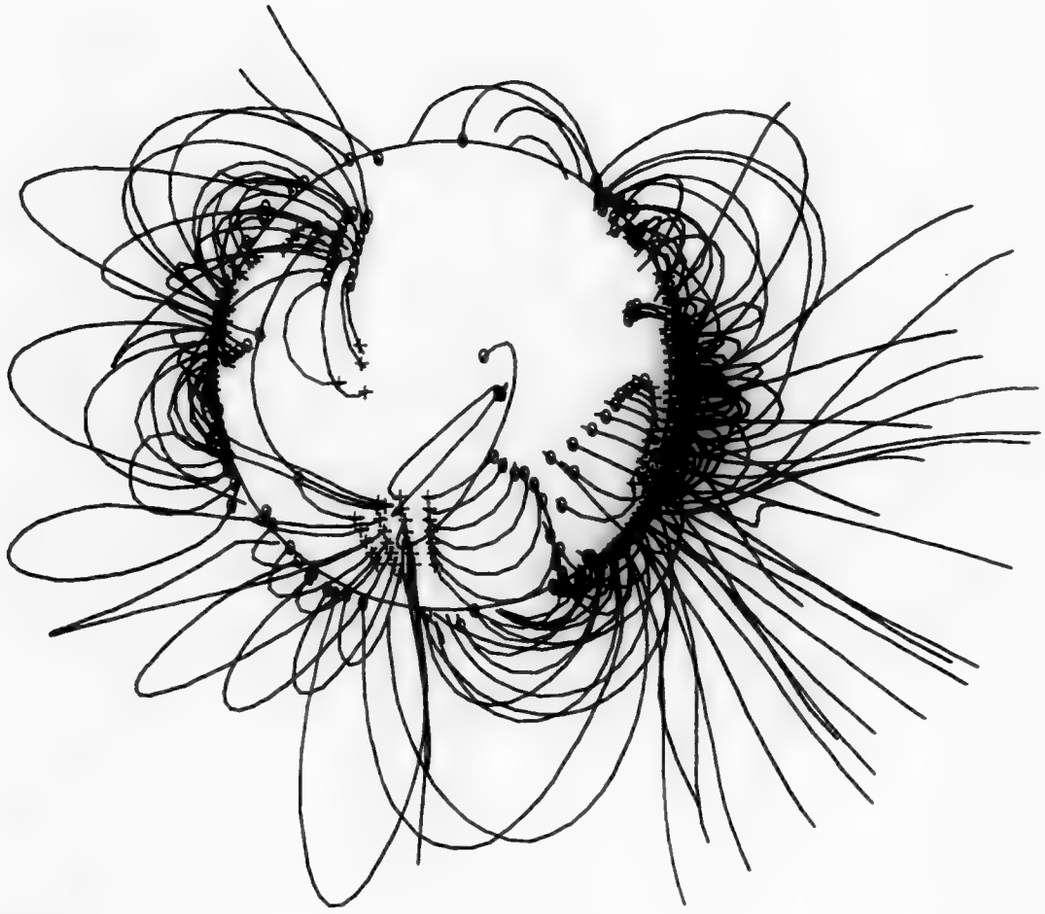
ROT. 1449 [illegible]

4.3 [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

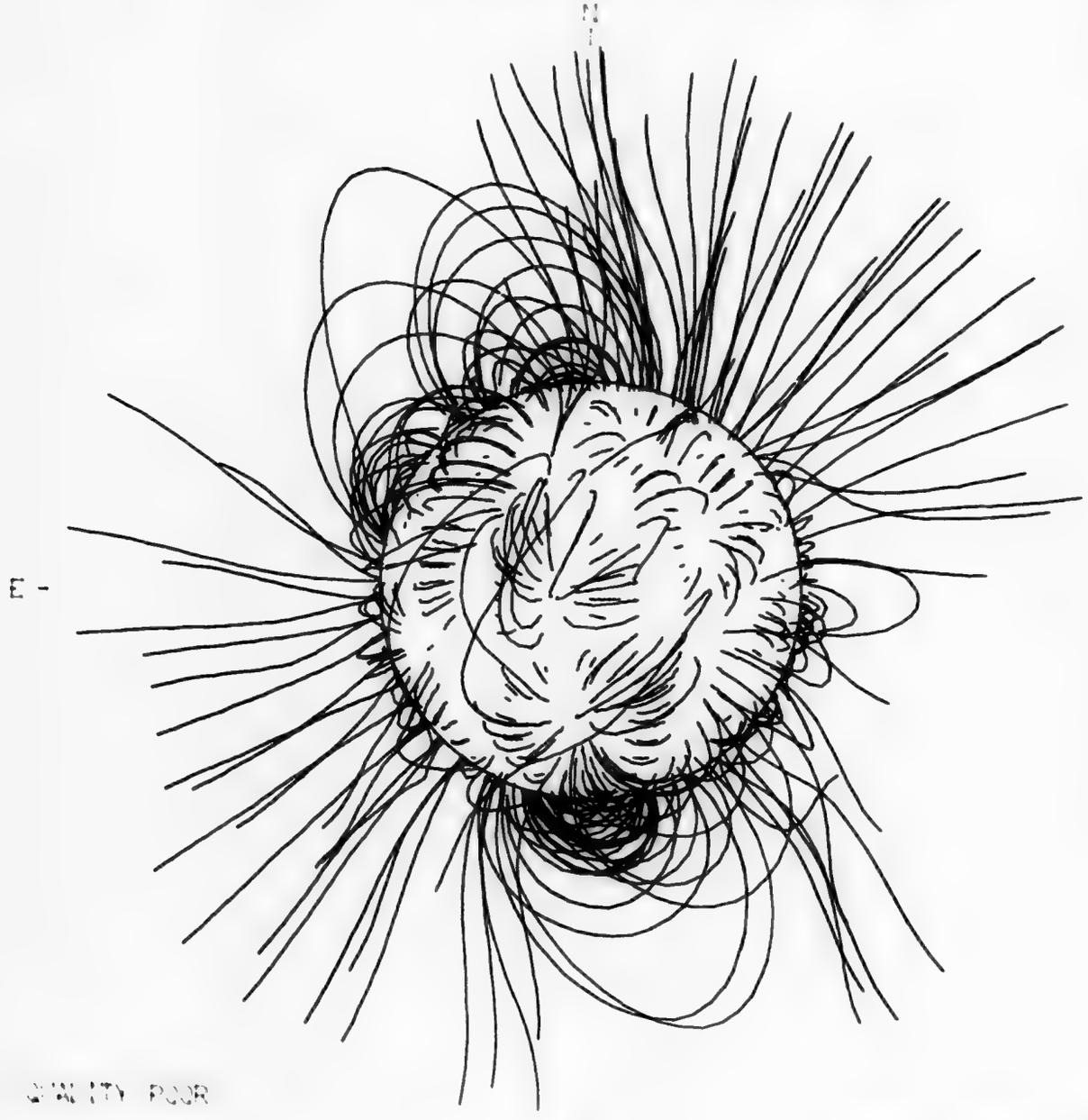
POLES DIRECT

DATA WINDOW 1448.47

ROT. 1449 LONG. 270°

4.3 JAN 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

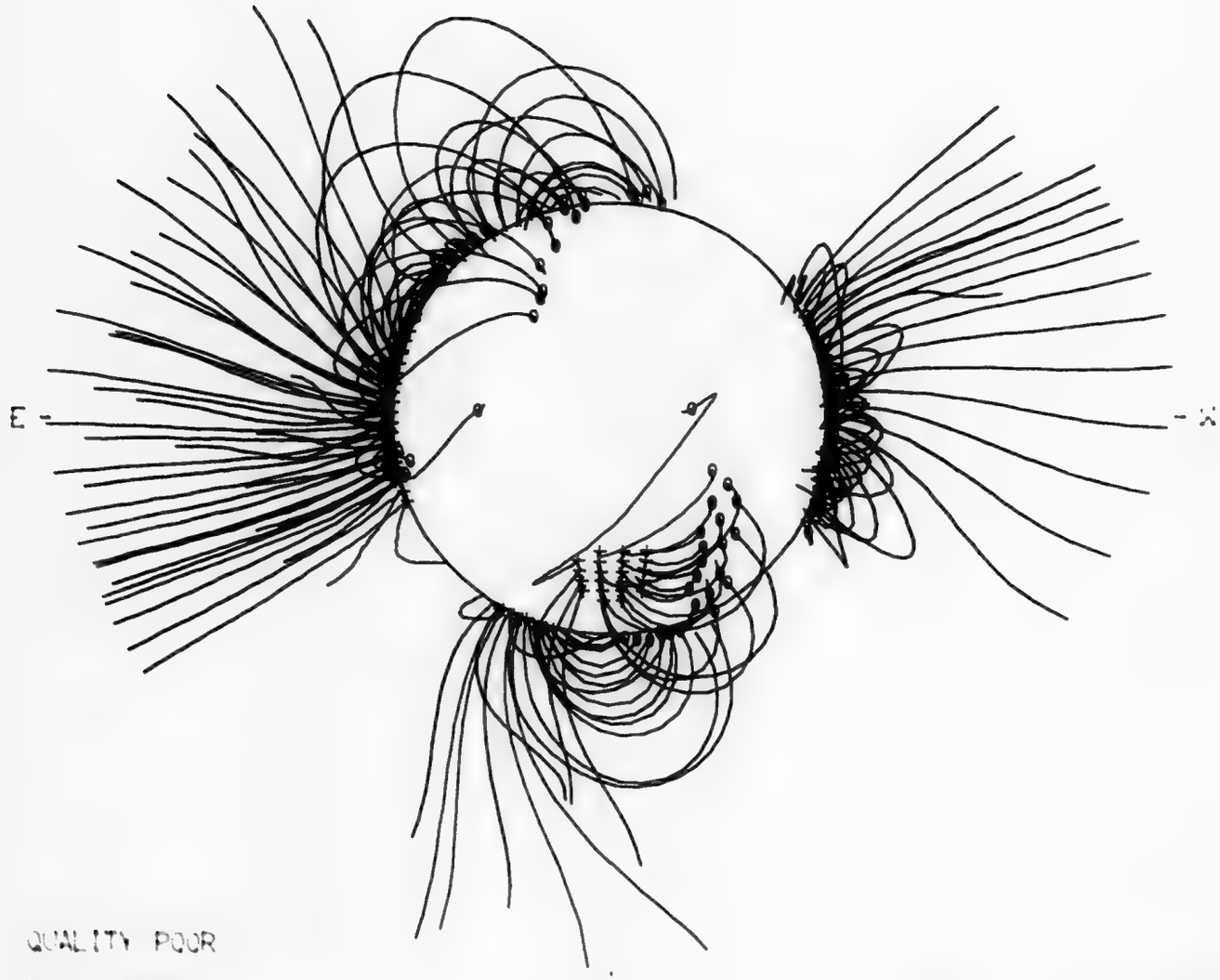
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 250°

5.1 DAY 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

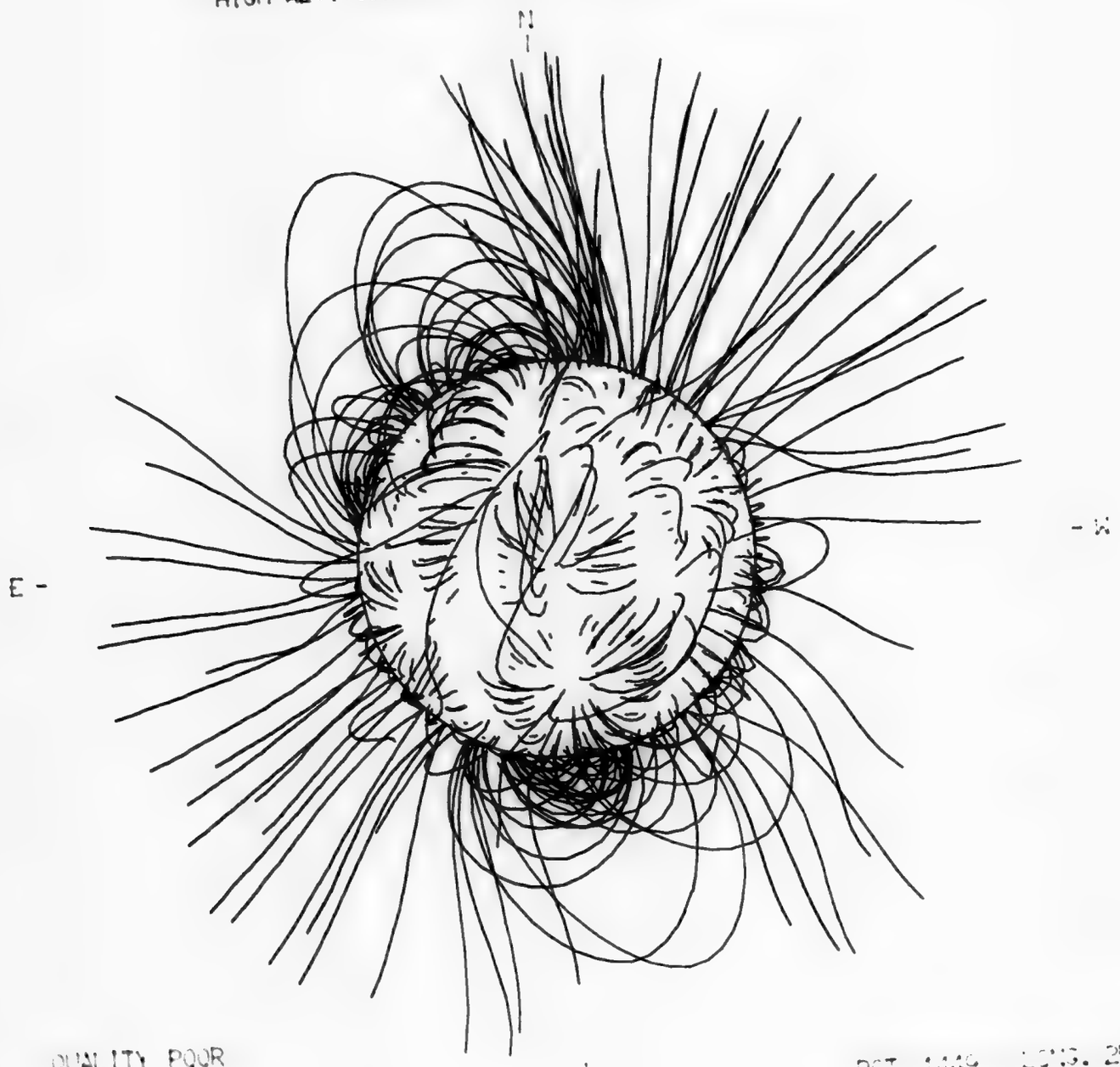
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 250°

5.1 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

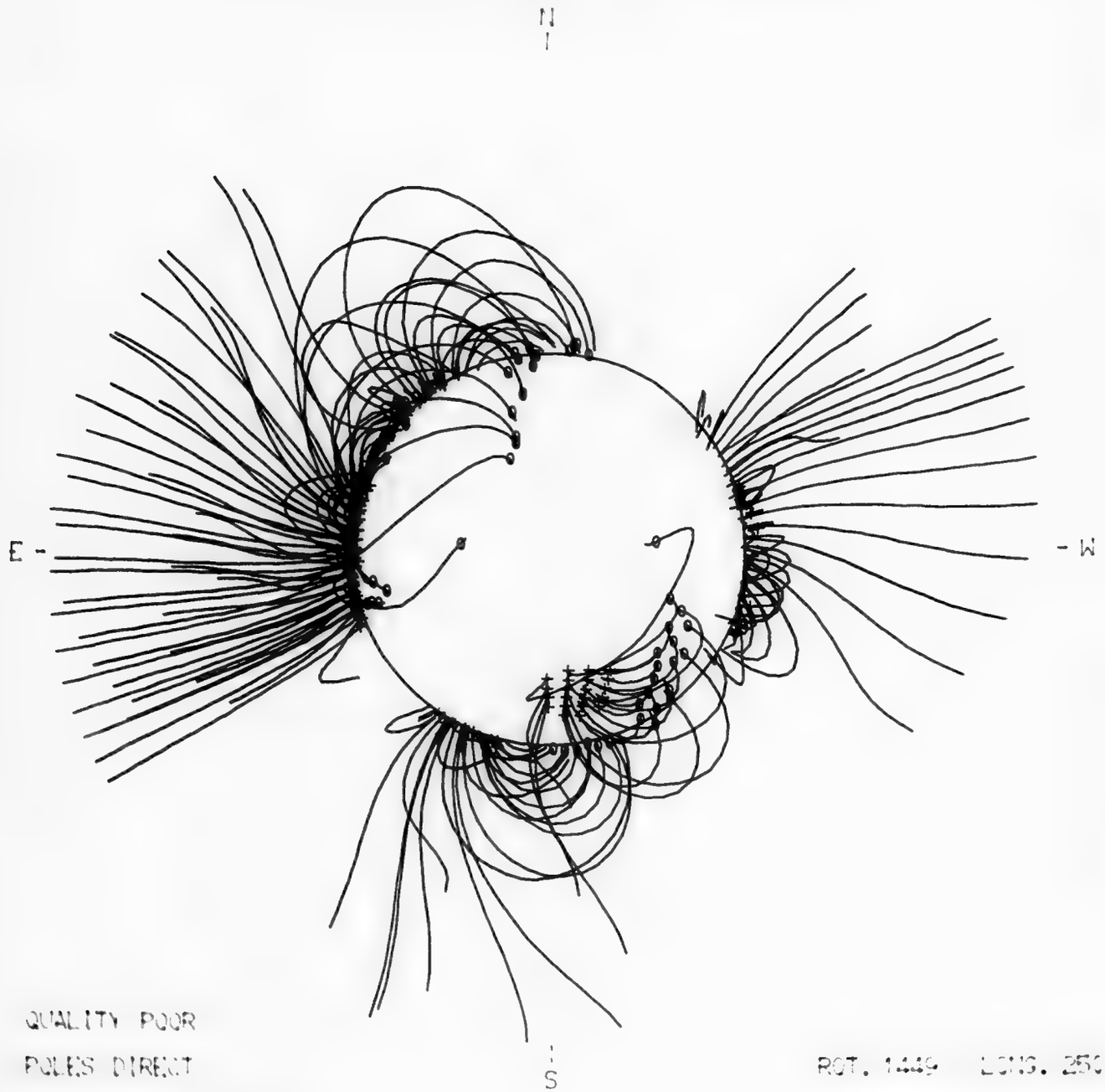
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 250°

5.8 JAN 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

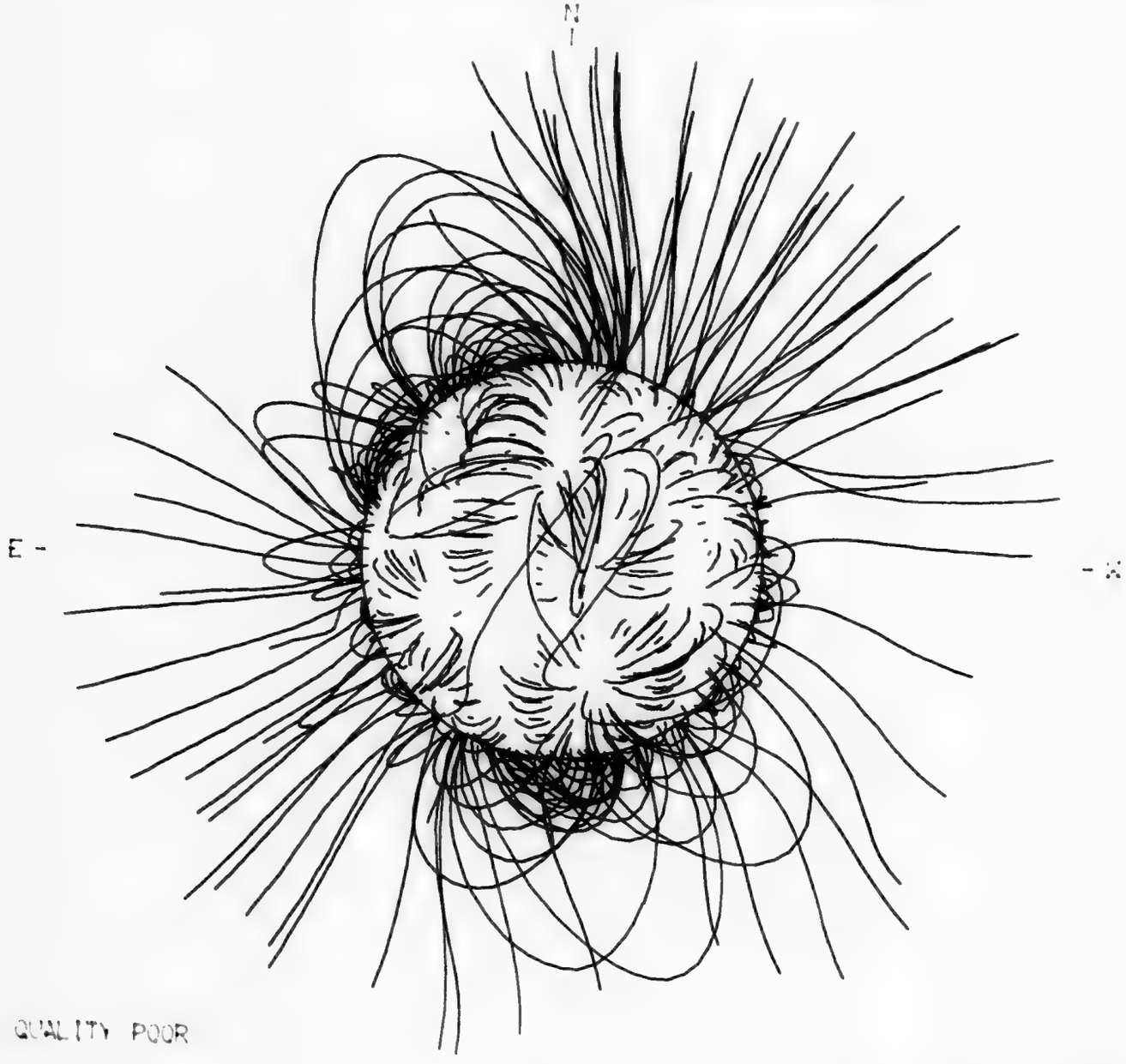
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 250°

5.8 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

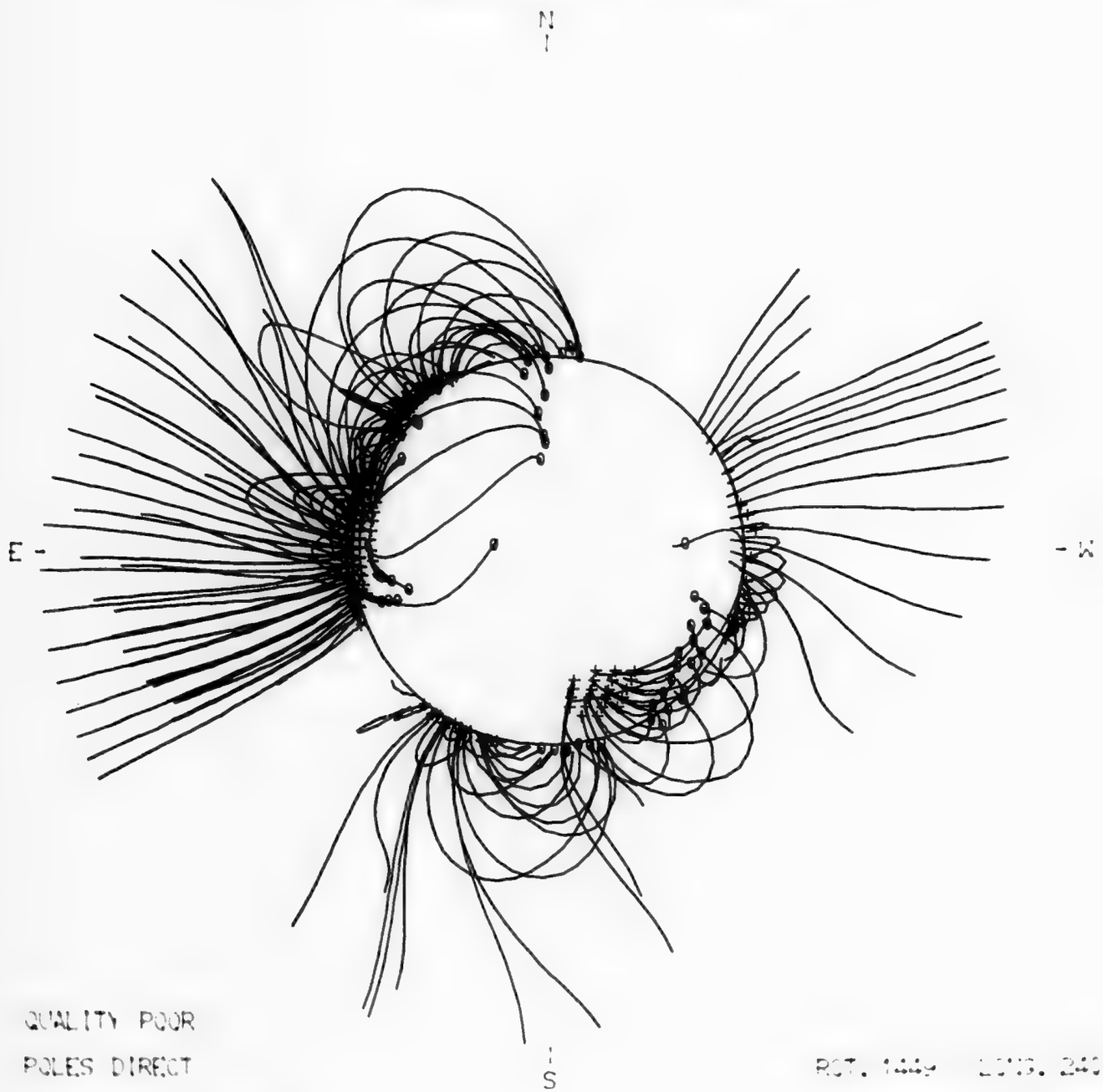
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 241°

6.6 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

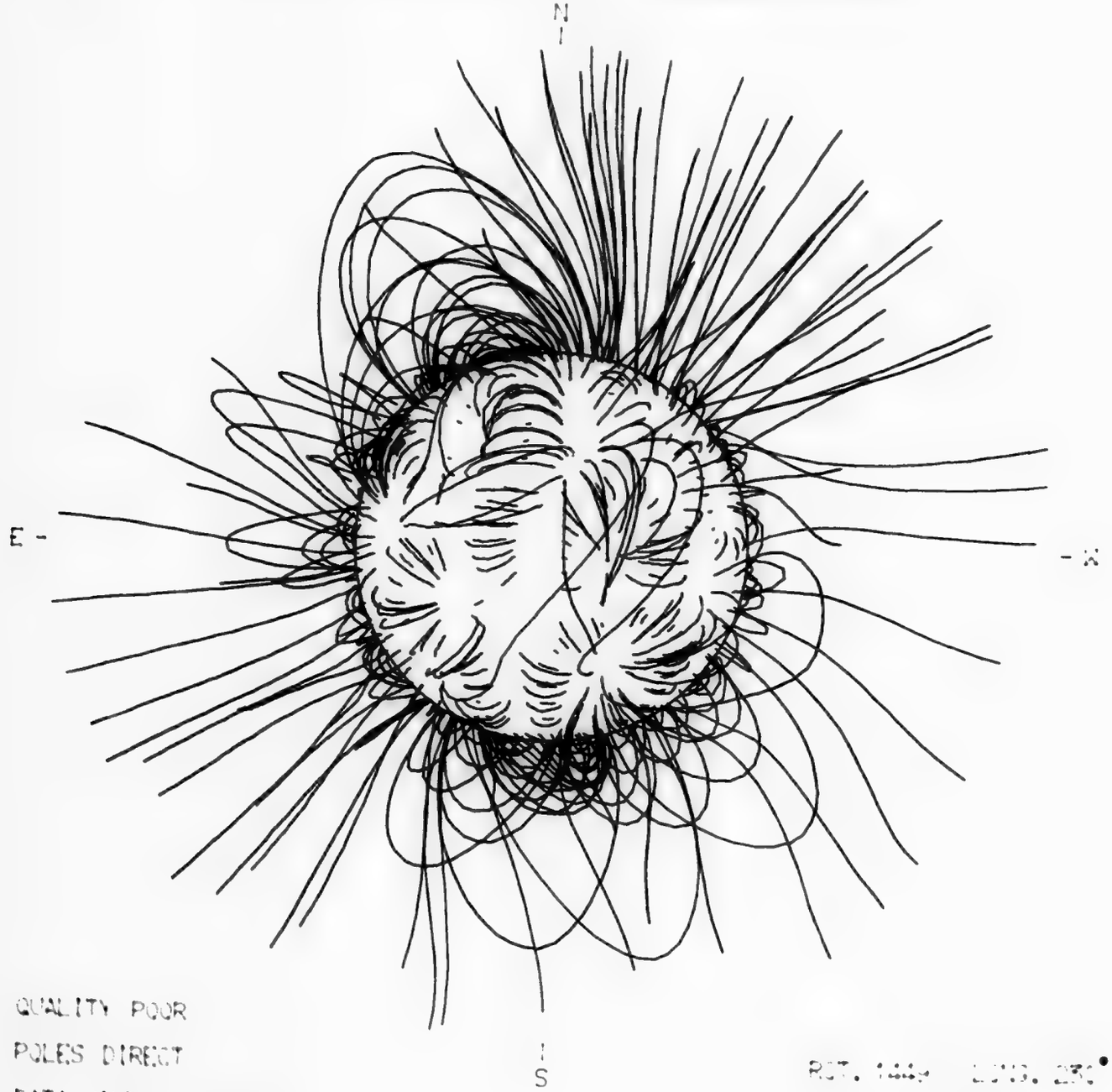
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 [illegible]

5.6 JAN 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

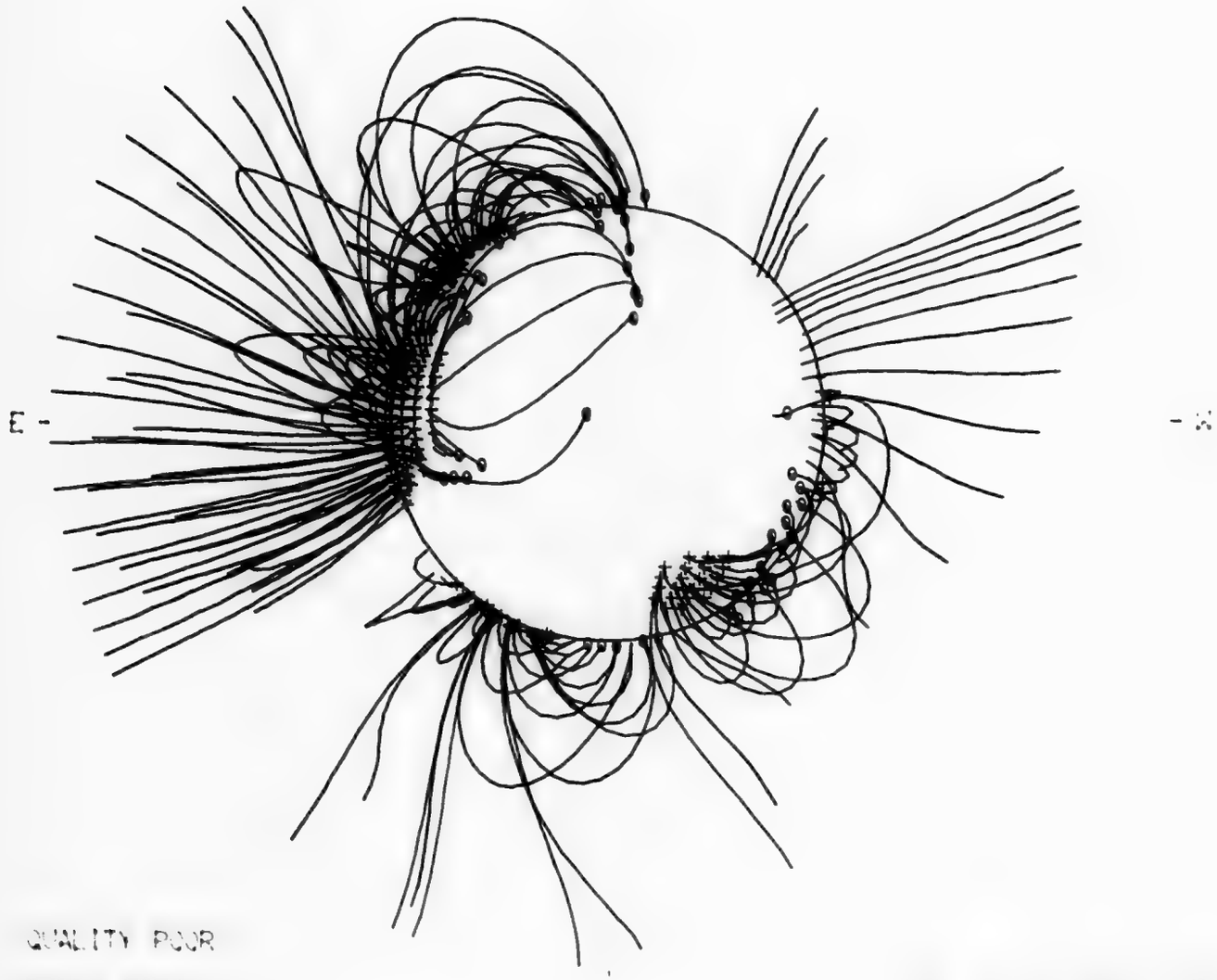
POLES DIRECT

DATA WINDOW 1.1.19.00

ROT. 1444 2013. 23.°

7.3 GAU 1.652

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

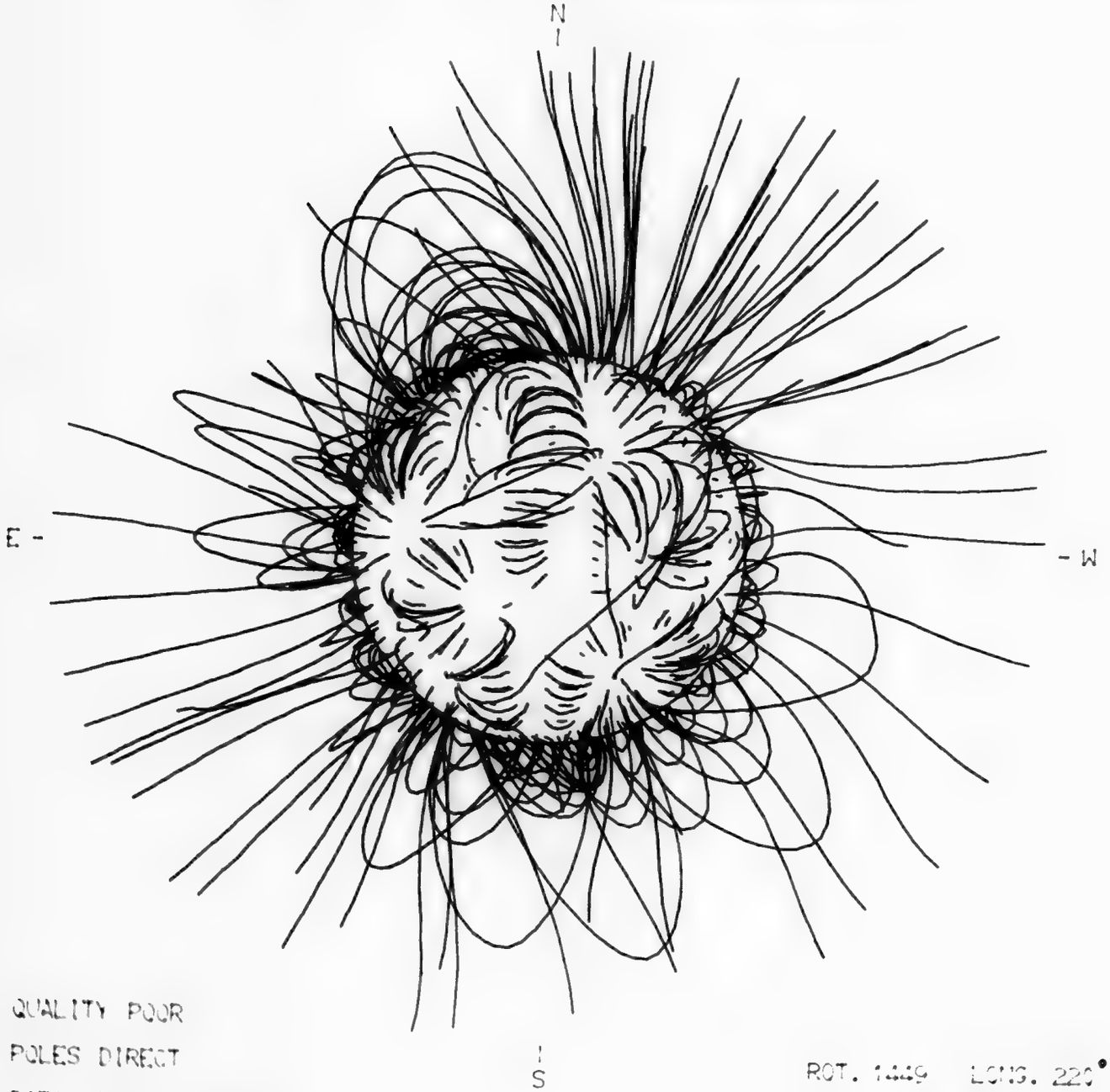
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 230°

7.3 JAN 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.1.19.00

ROT. 1449 LONG. 220°

8.1 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

QUALITY POOR

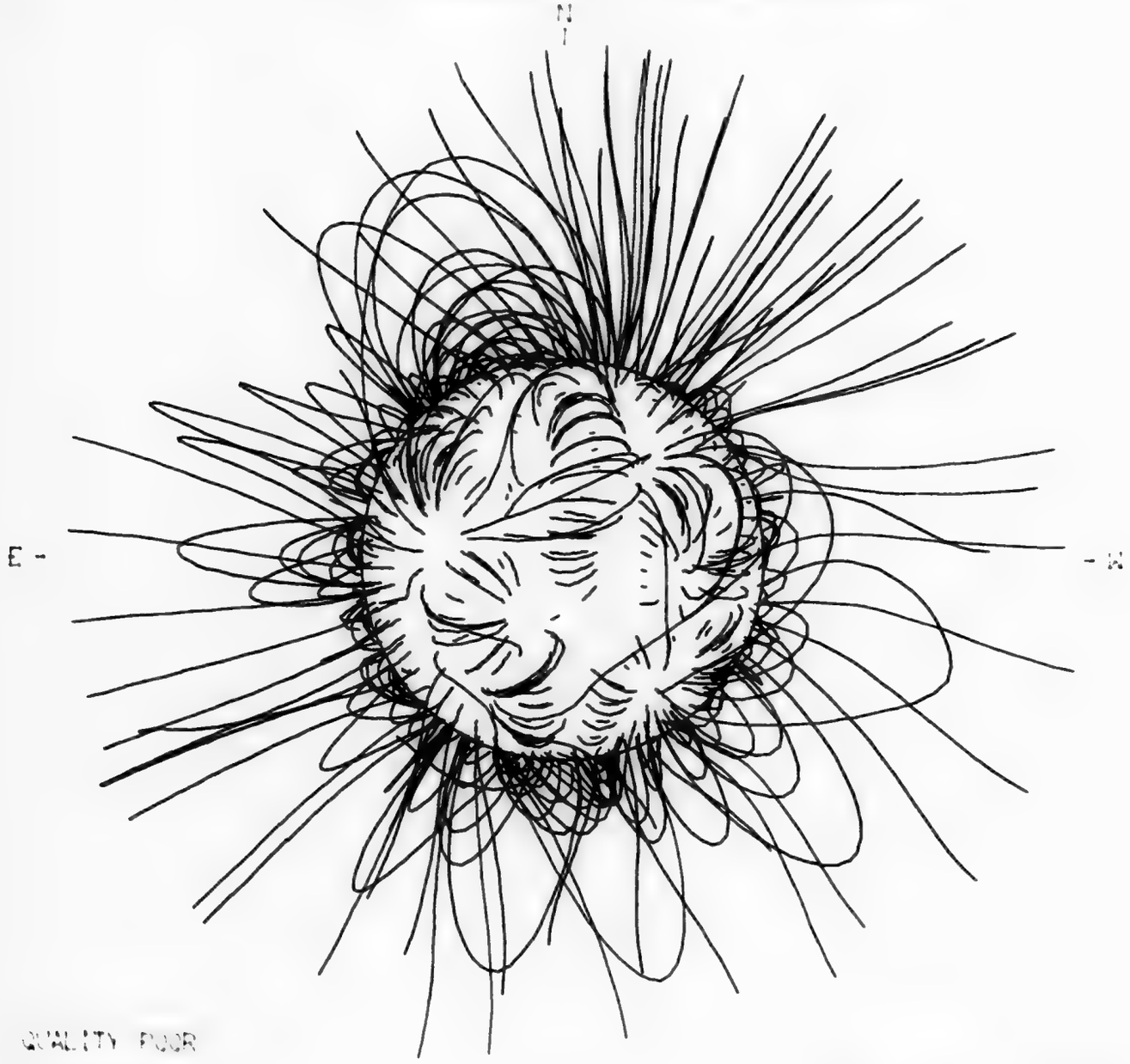
POLES DIRECT

DATA WINDOW 1440.00

R.T. 1440 [illegible]°

B.1 [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



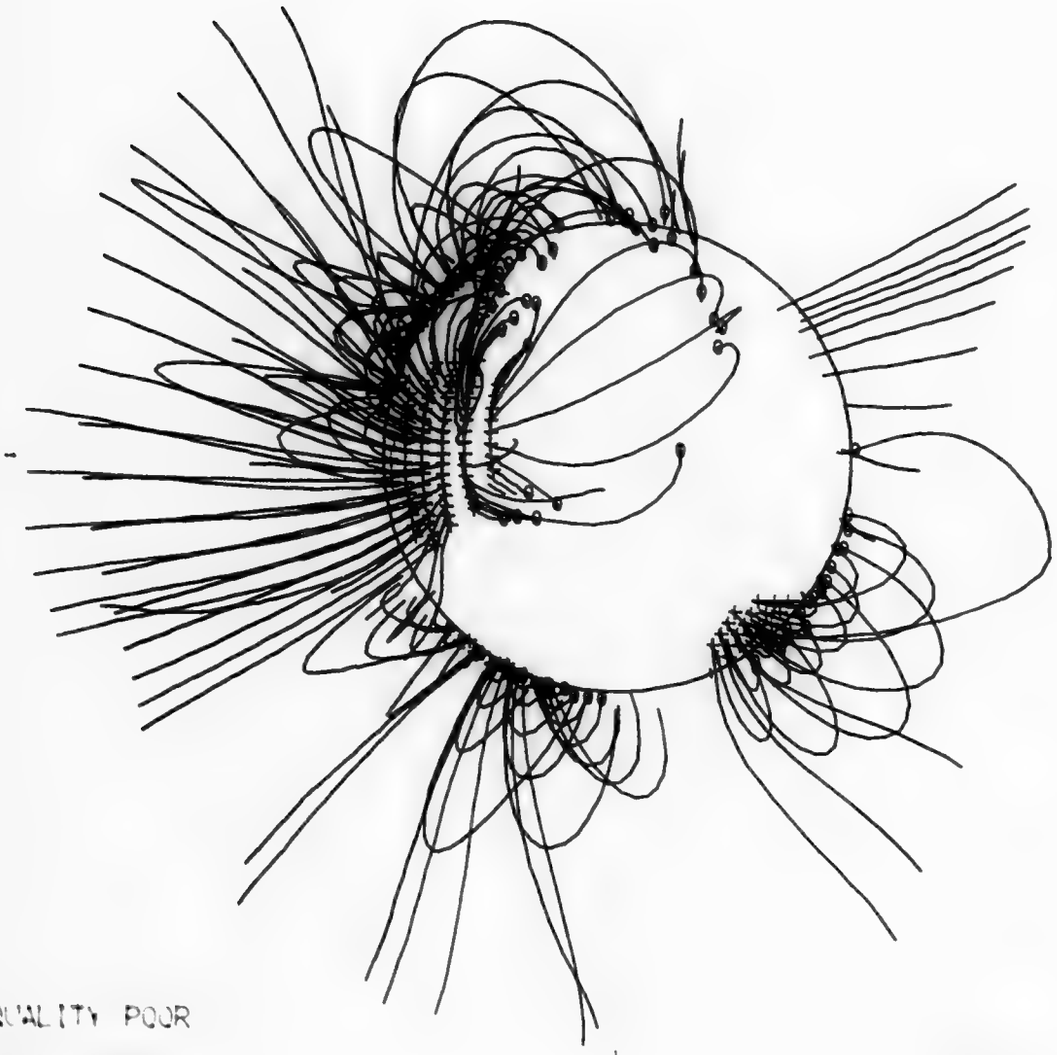
QUALITY POOR

POLES DIRECT

DATA WINDOW 1440.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E

W

S

QUALITY POOR

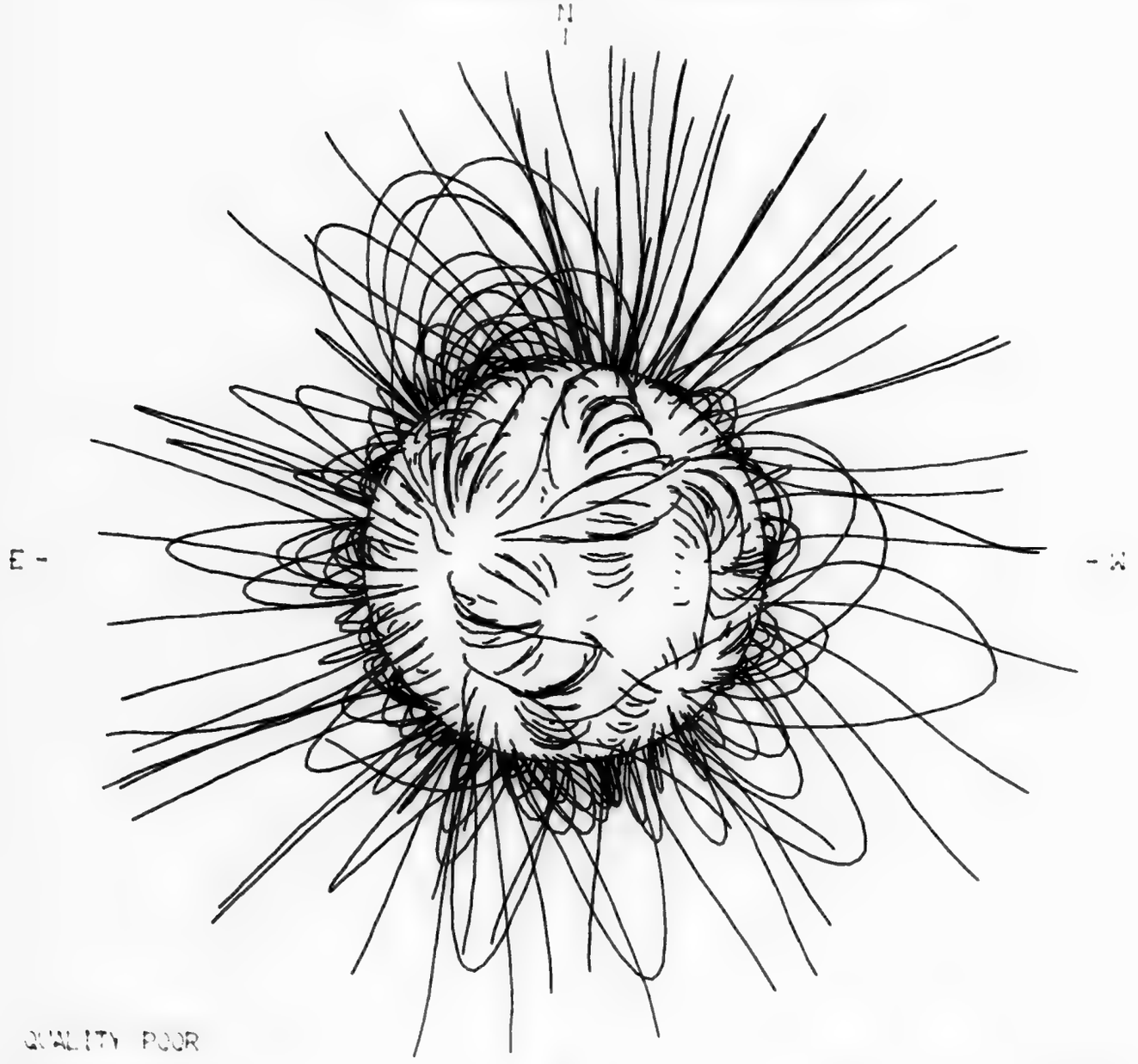
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 L.N.S. 210°

8.9 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

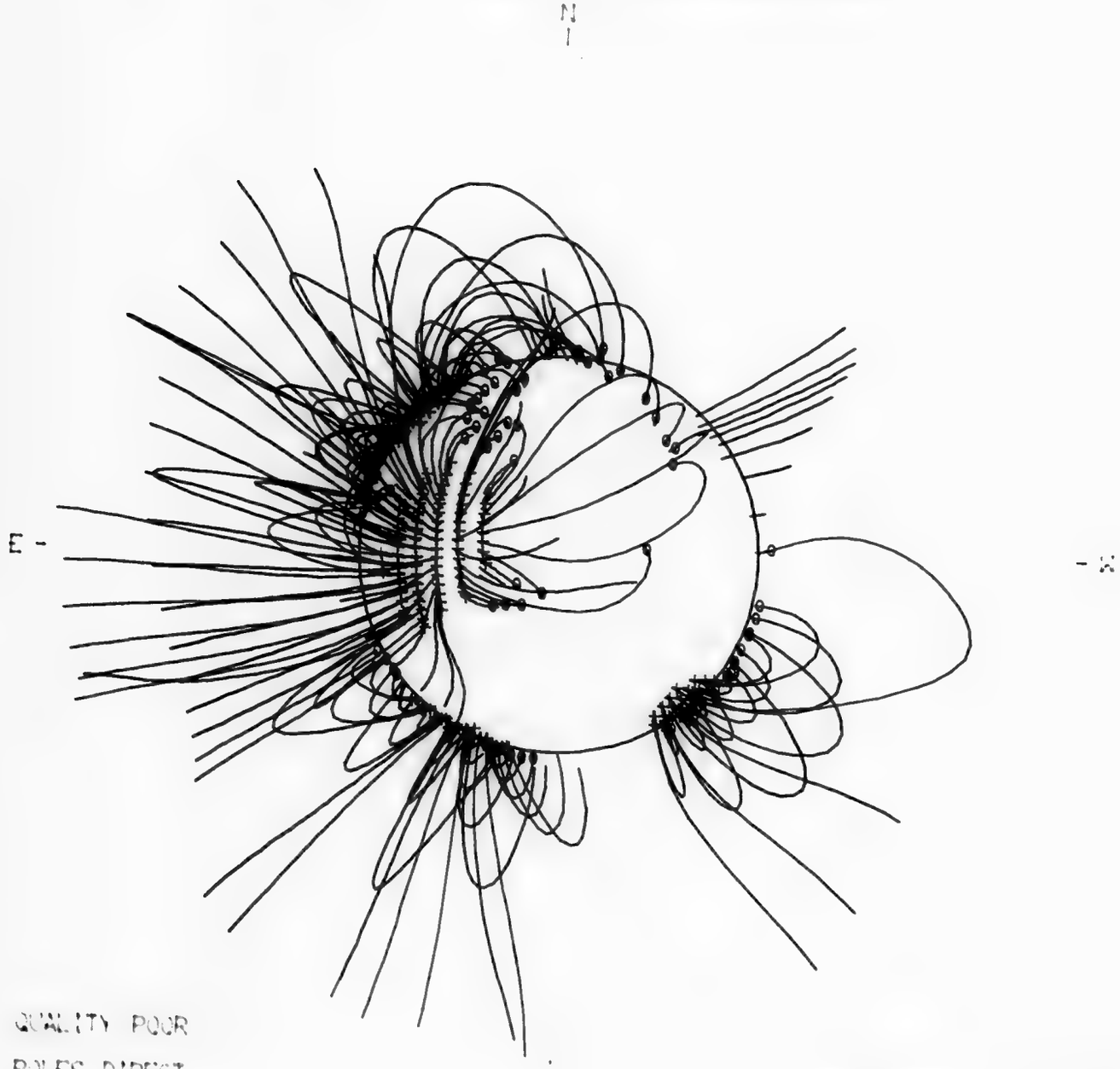
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 201°

9.6 GAU 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

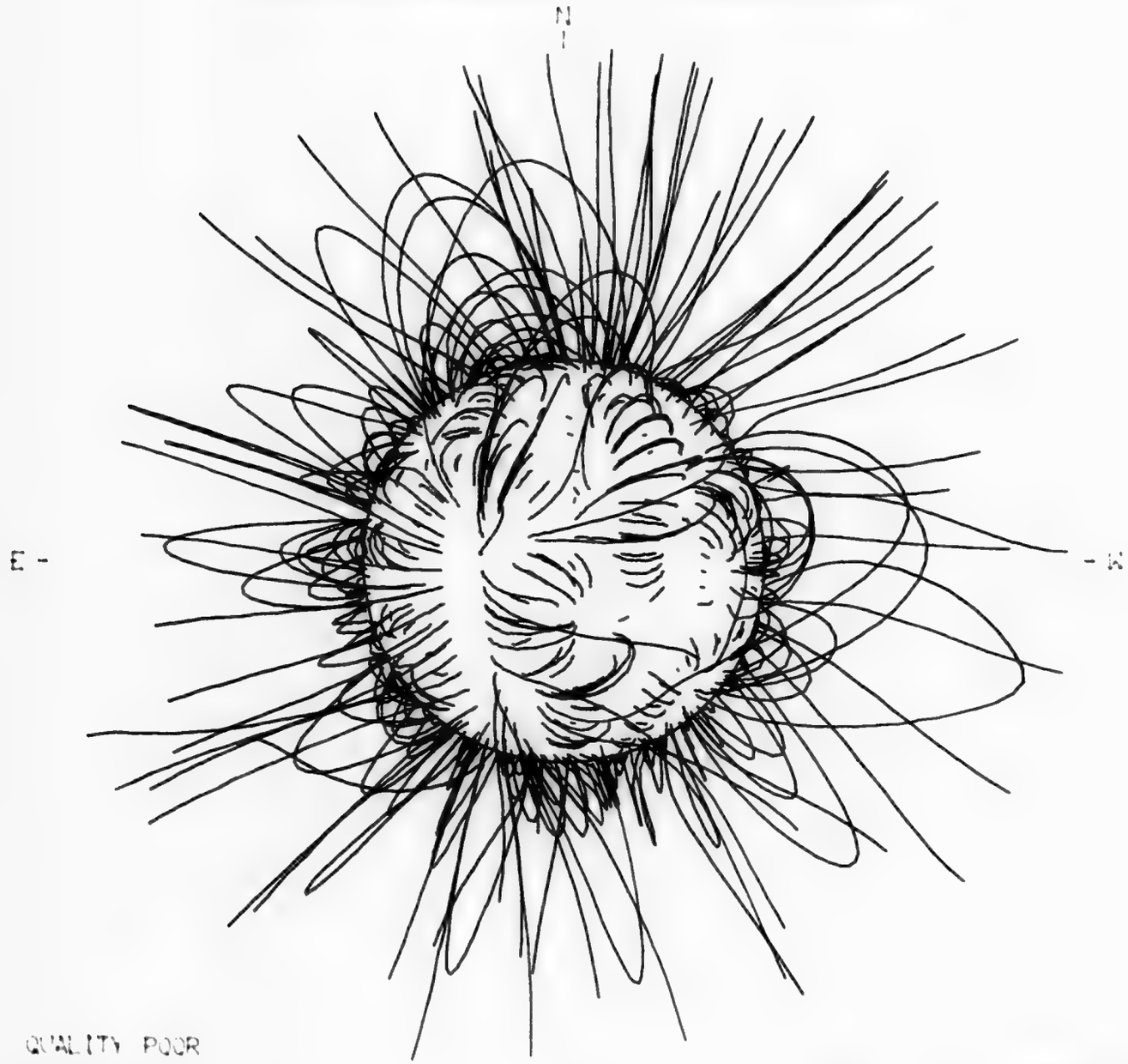
POLES DIRECT

DATA WINDOW 1.0.0.00

R.T. 1.0.0 1.0.0. 2.0.0

9.6 JAN 1.9.2

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

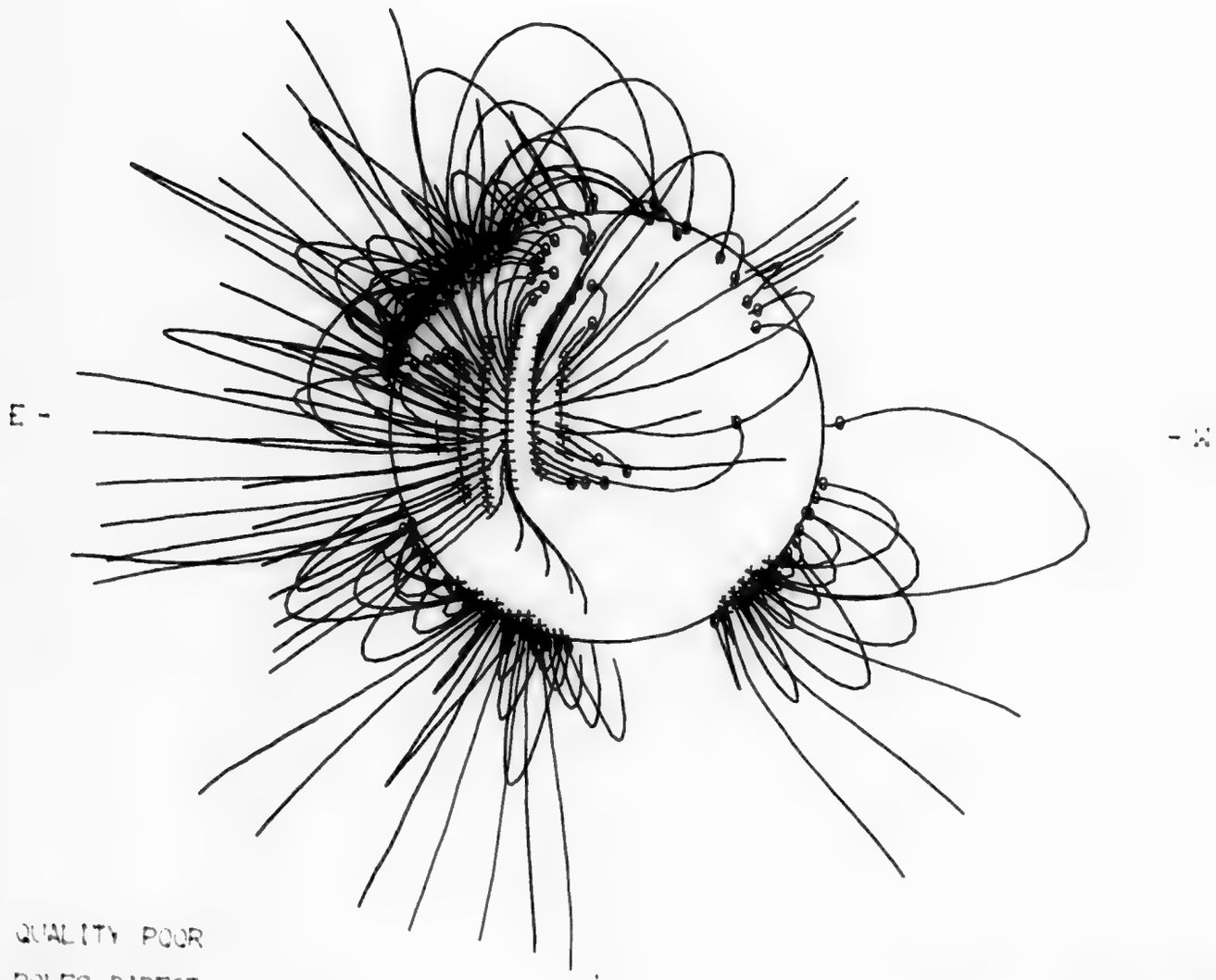
POLES DIRECT

DATA WINDOW 1.1.49.00

ROT. 1.1.49 L.T.S. 1.00°

10.4 JAN 1.932

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

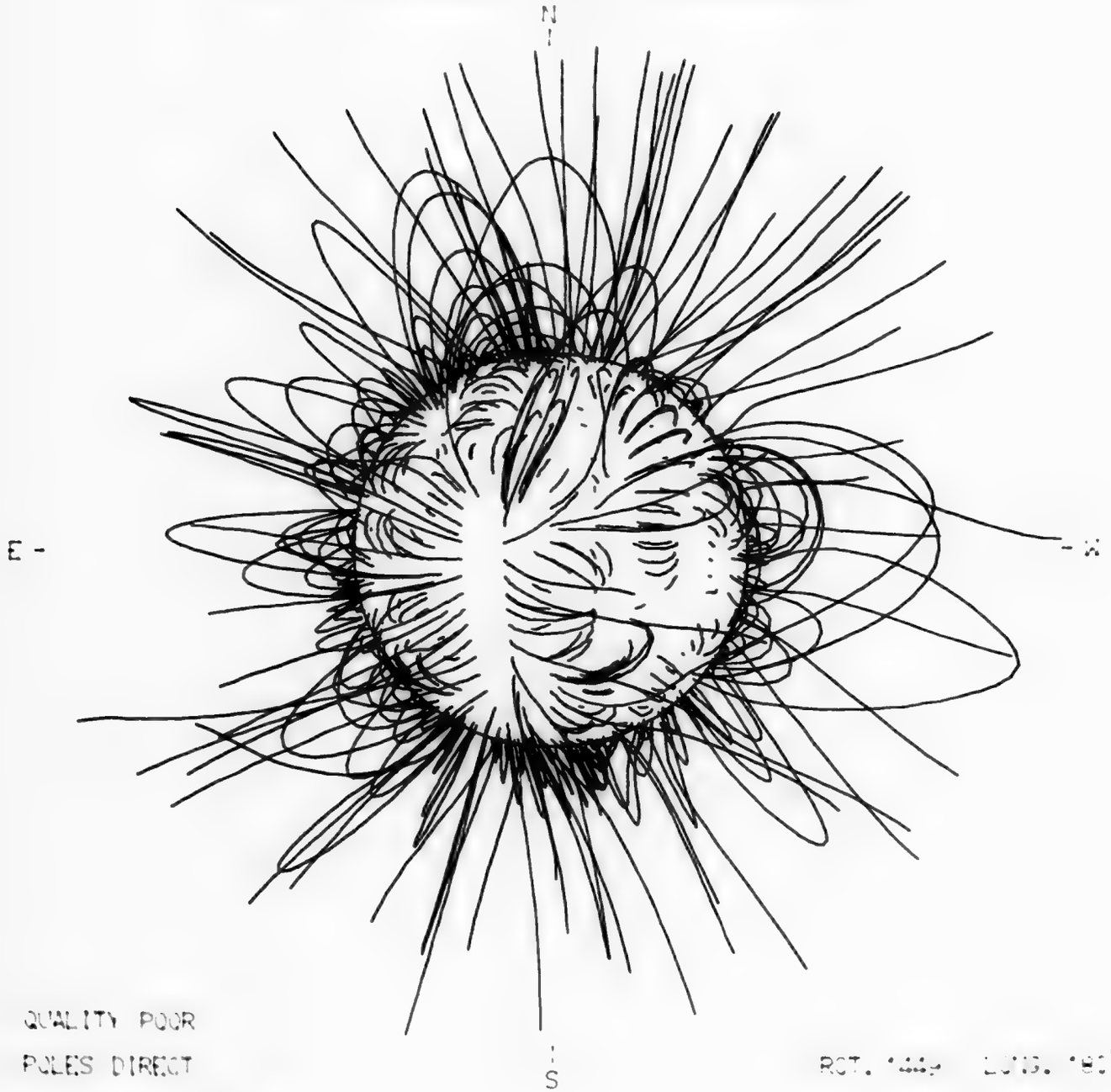
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 90°

10.4 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

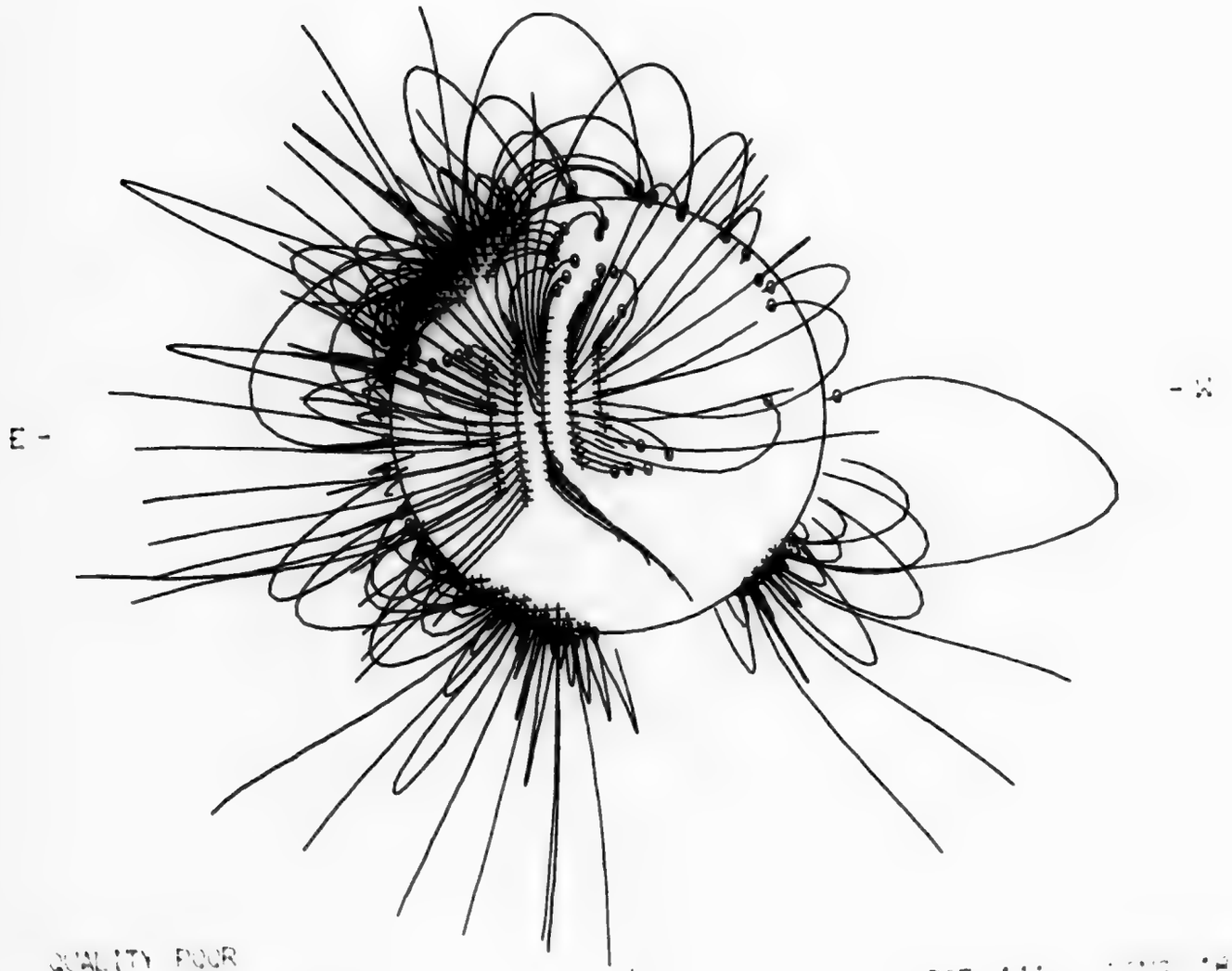
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 90°

11 JAN 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

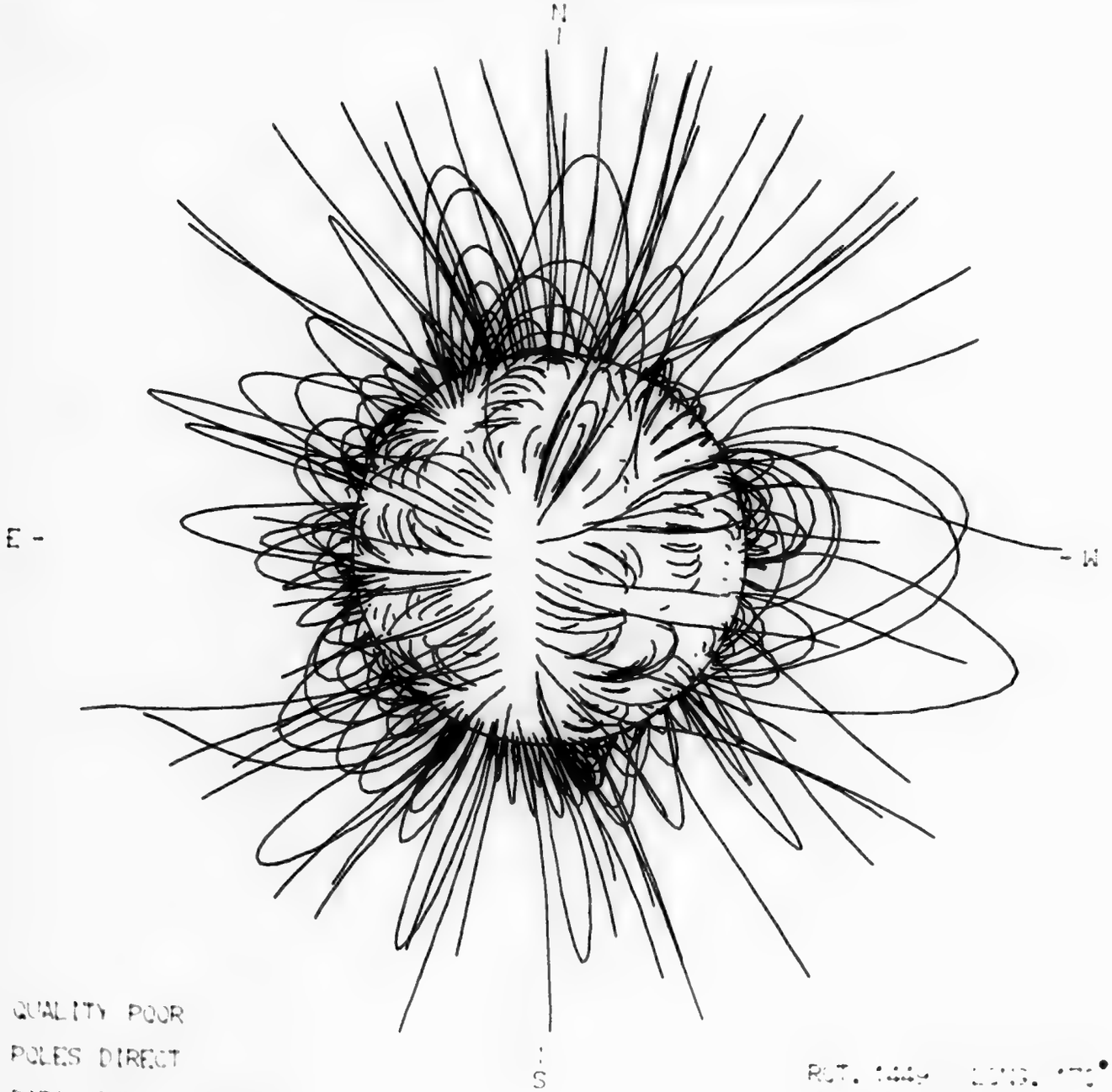
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 140°

11.1 VAR .062

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

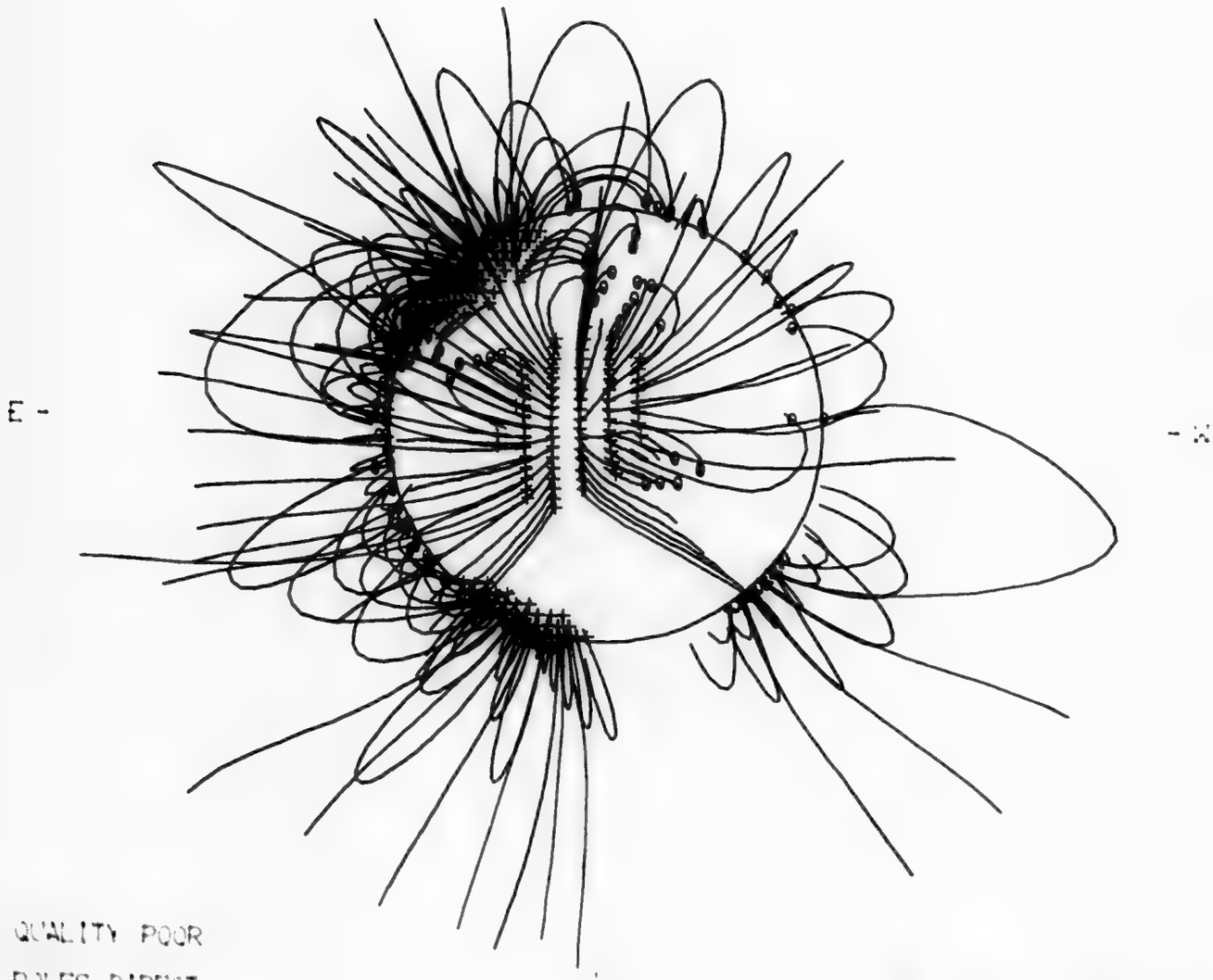
POLES DIRECT

DATA WINDOW 1.1.19.00

ROT. 1444 LONG. 47.5°

11.5 JAN 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



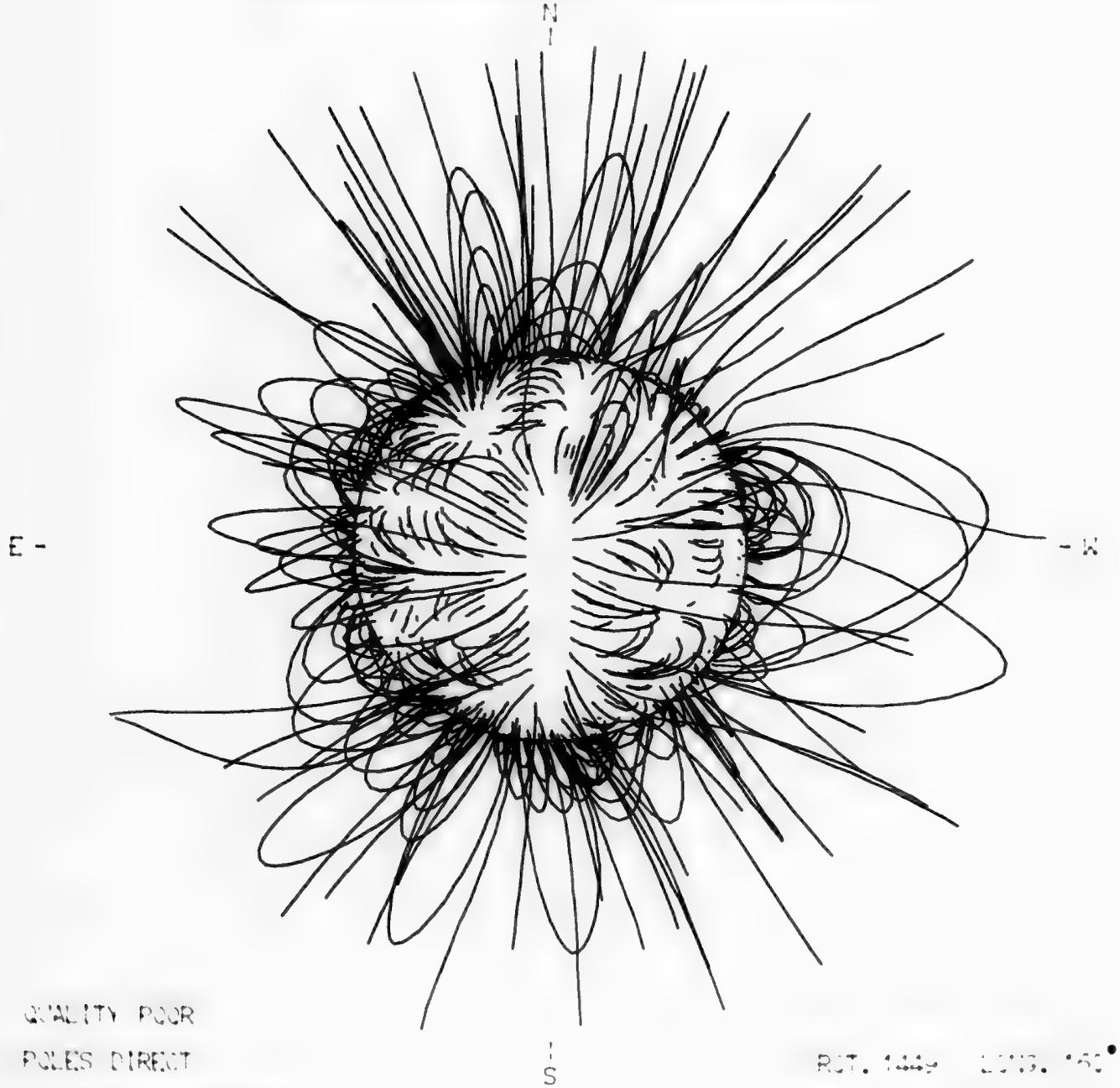
QUALITY POOR

POLES DIRECT

DATA WINDOW 1449.00

ROT. [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

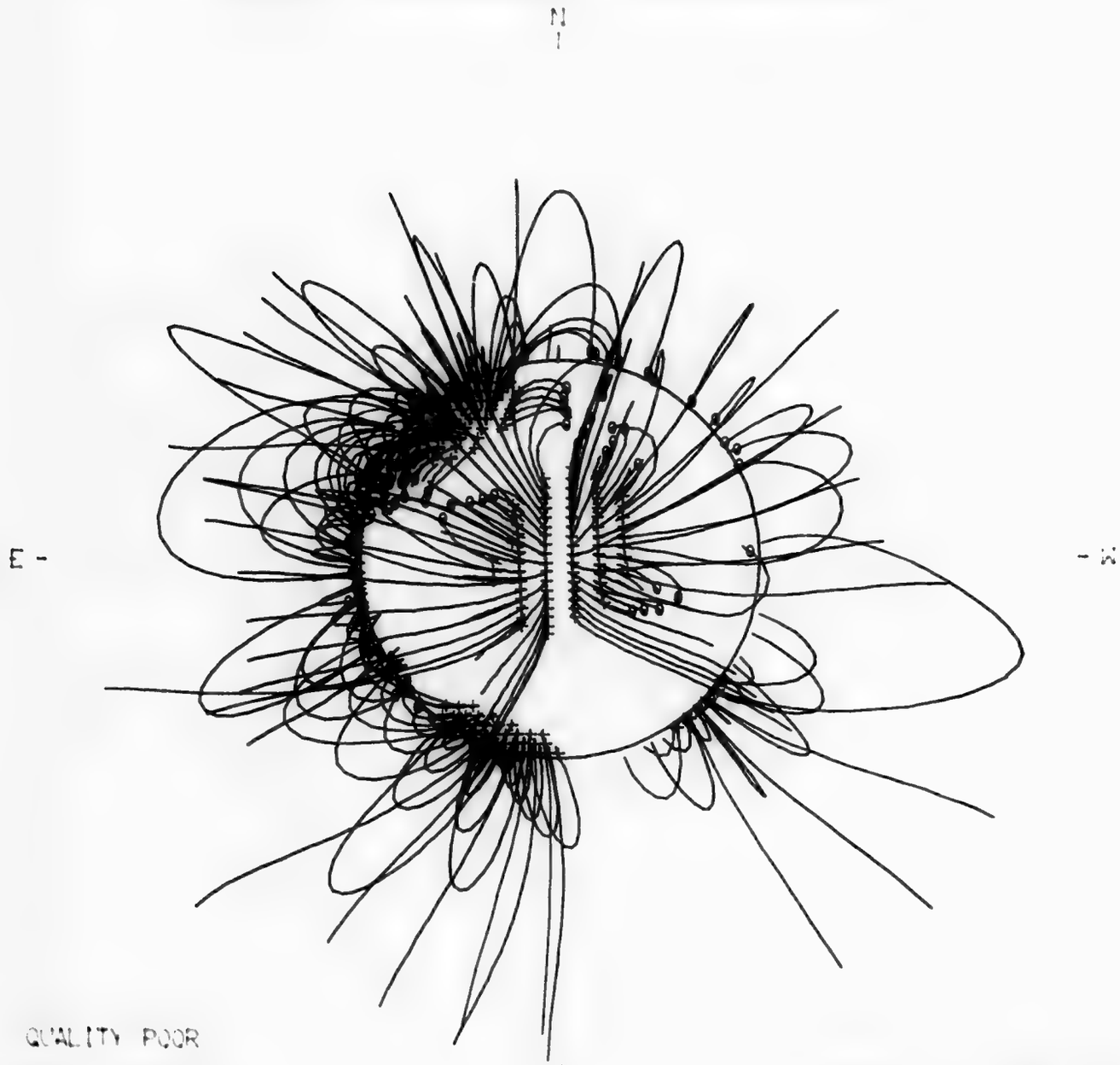
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 150°

12.6 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

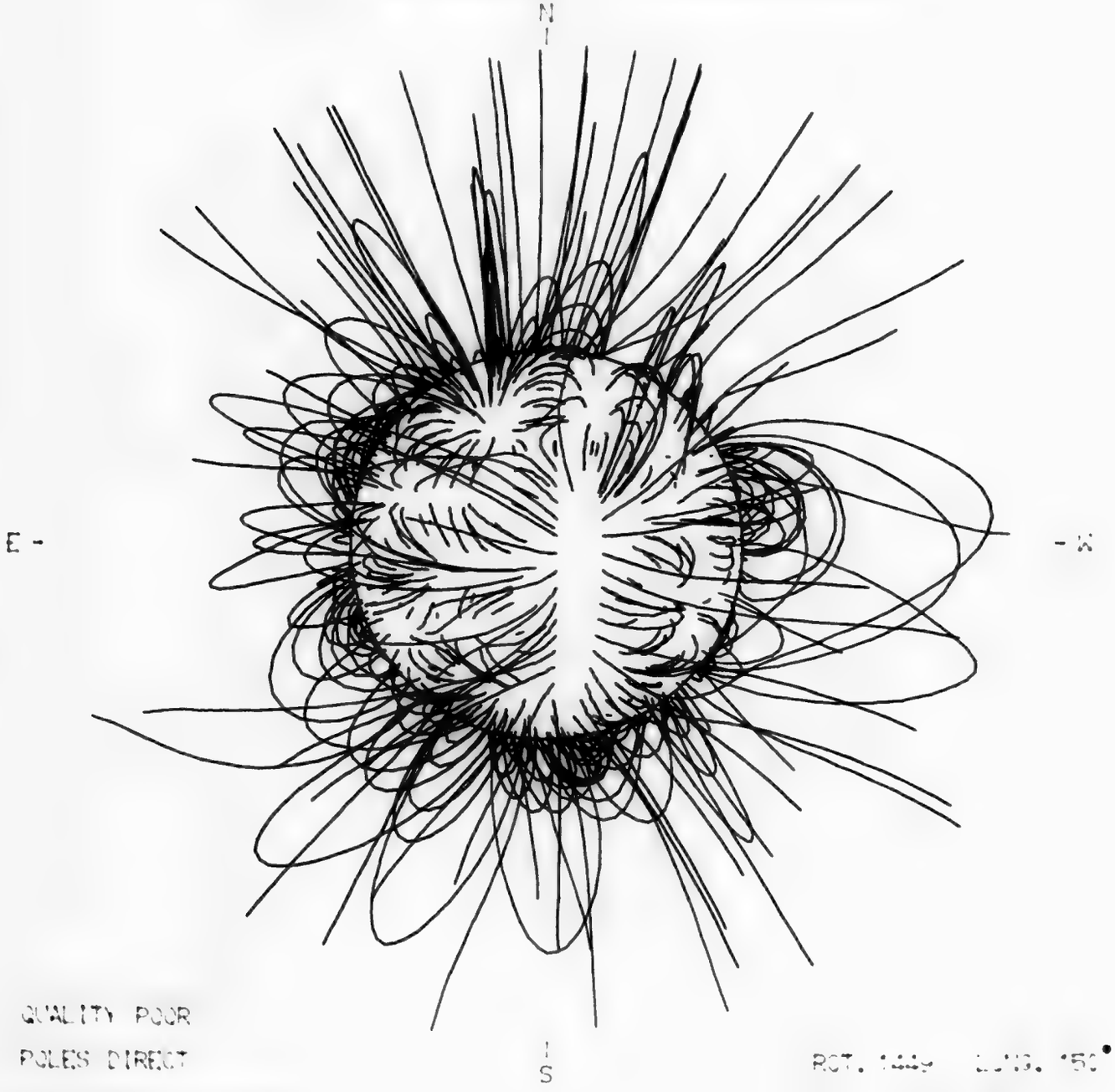
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 180°

12.6 DAY 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

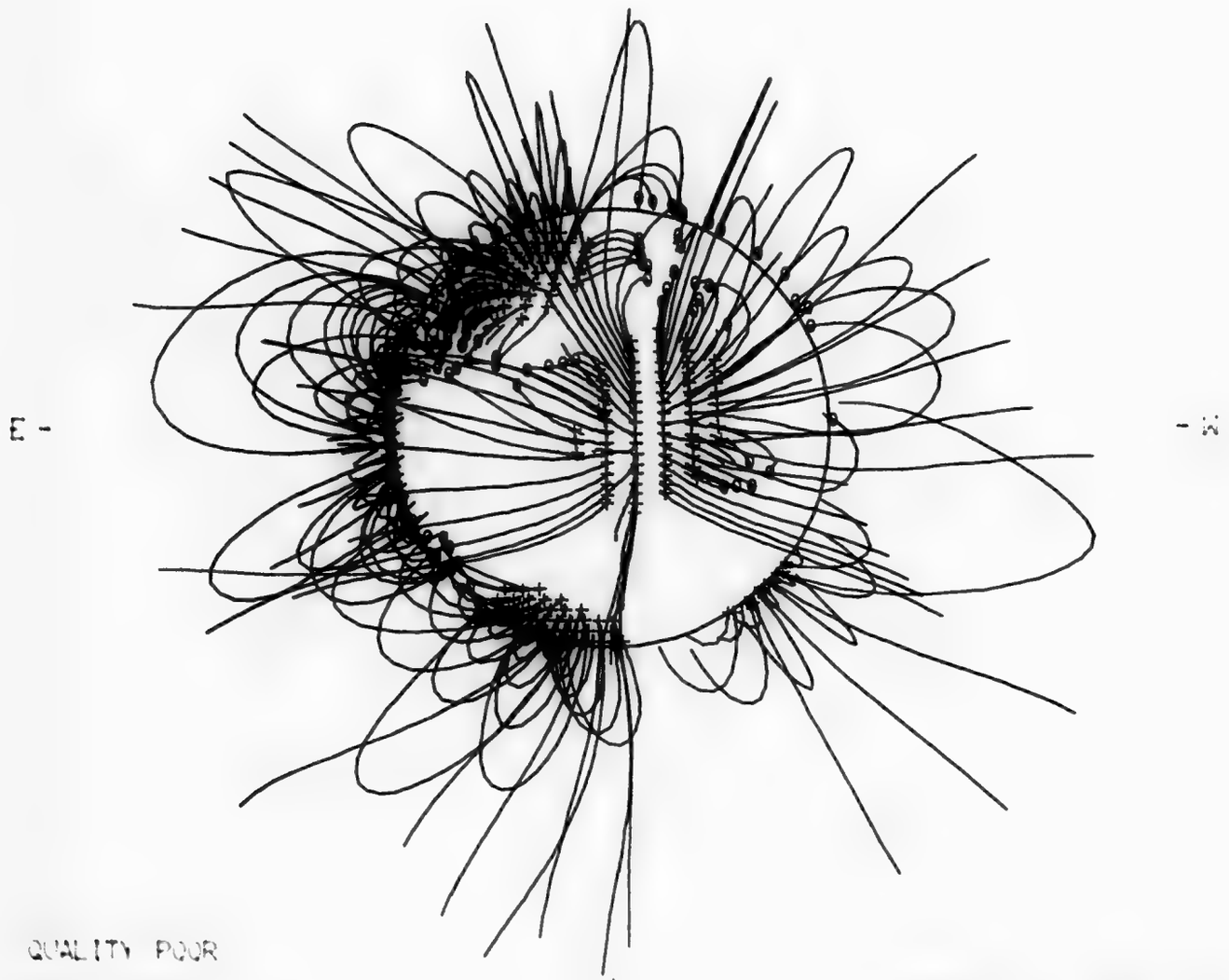
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 150°

13.4 [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

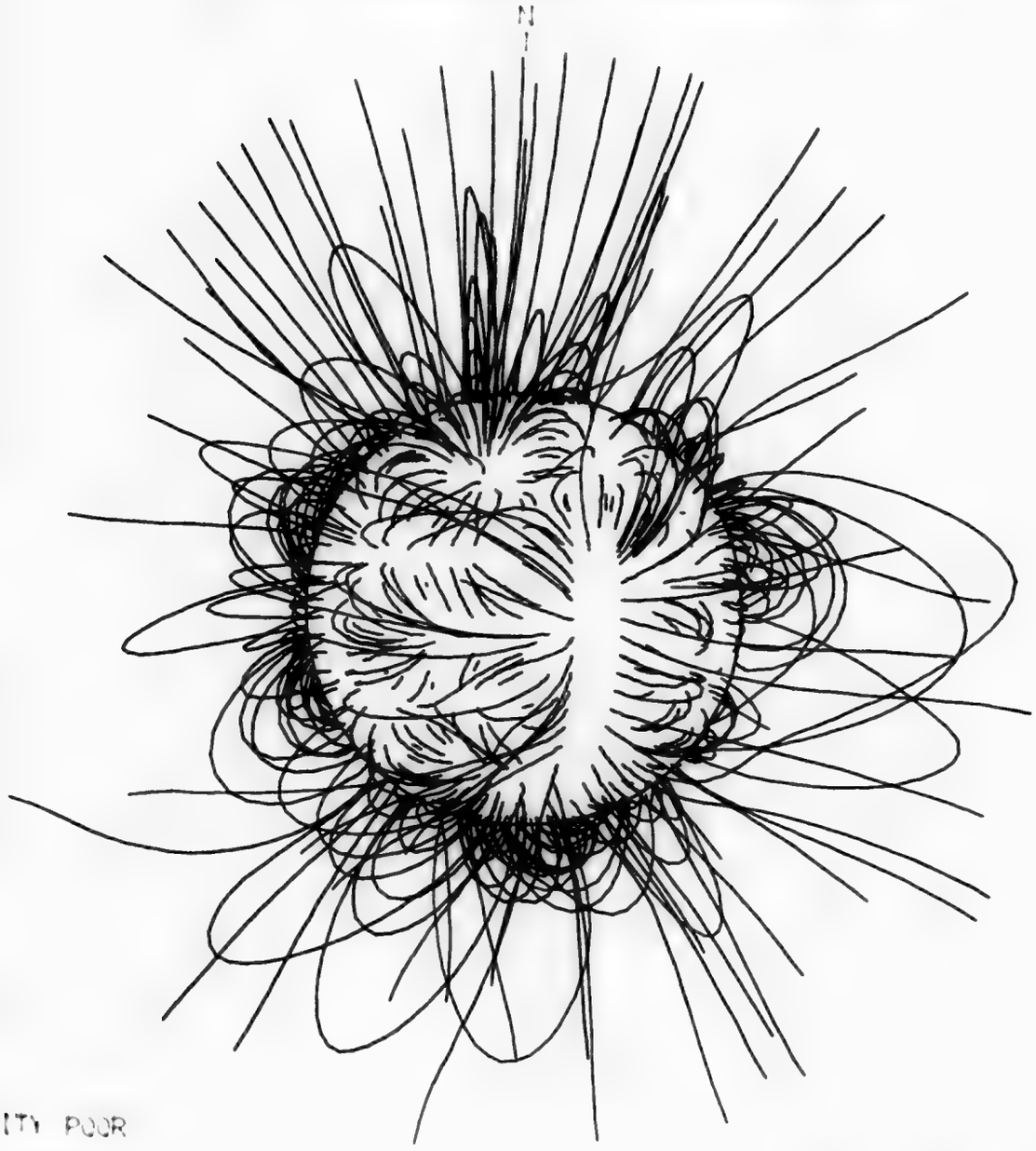
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1444 LONG. 150°

13.4 [illegible]

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

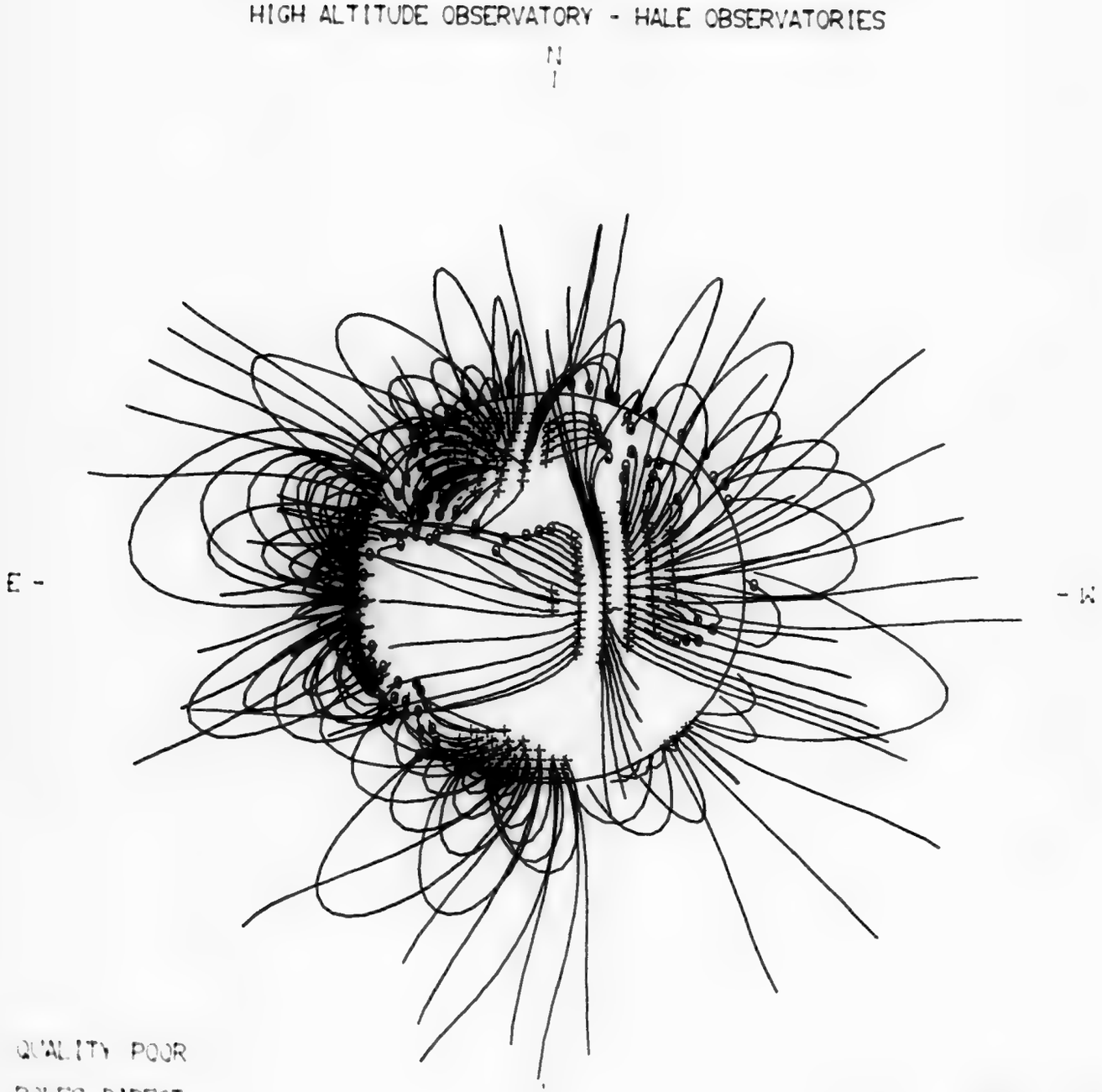
POLES DIRECT

DATA WINDOW 1440.00

ROT. 1444 LONG. 142°

14.2 JAN 1960

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

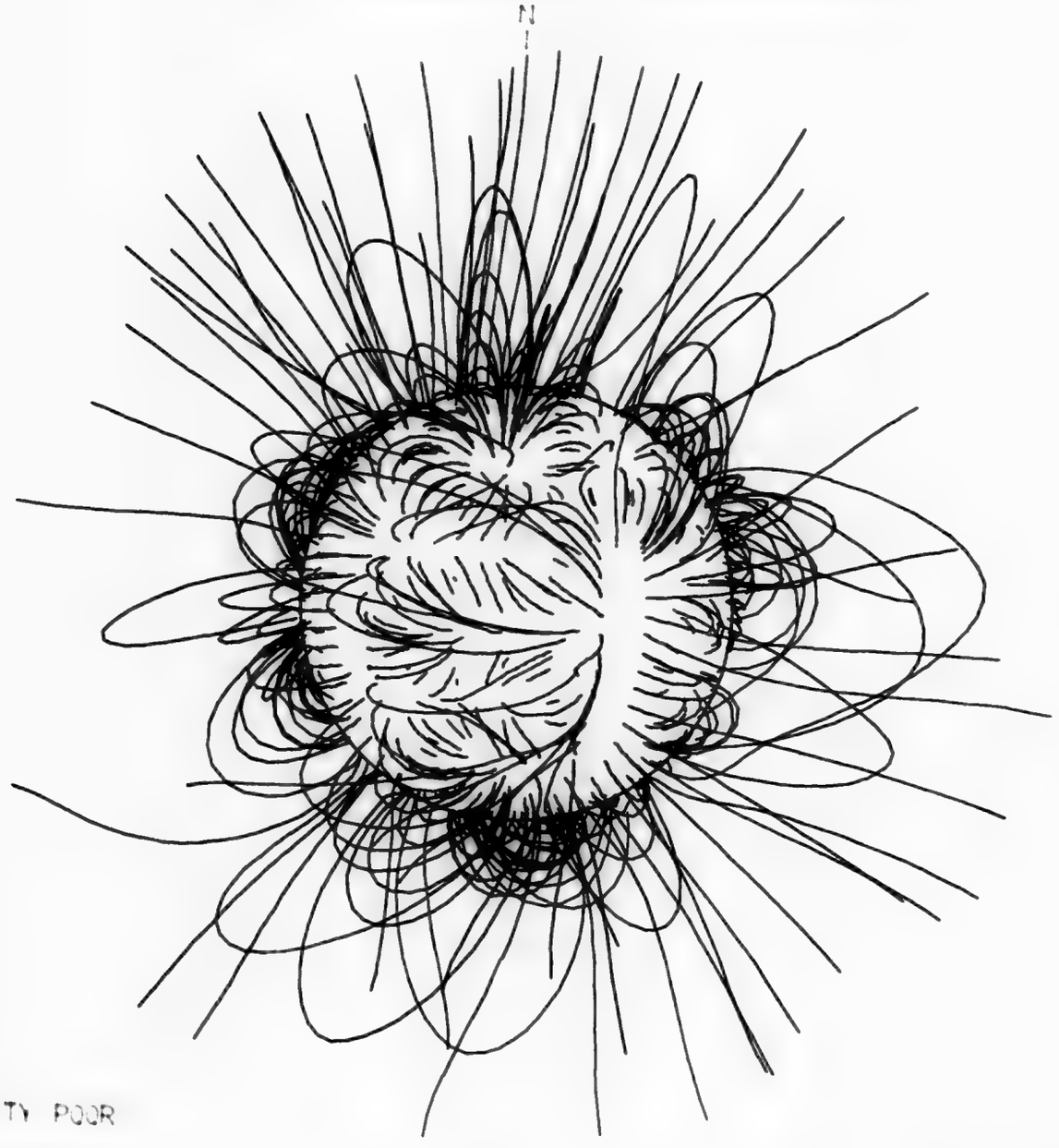
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 180°

14.2 JAN. 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

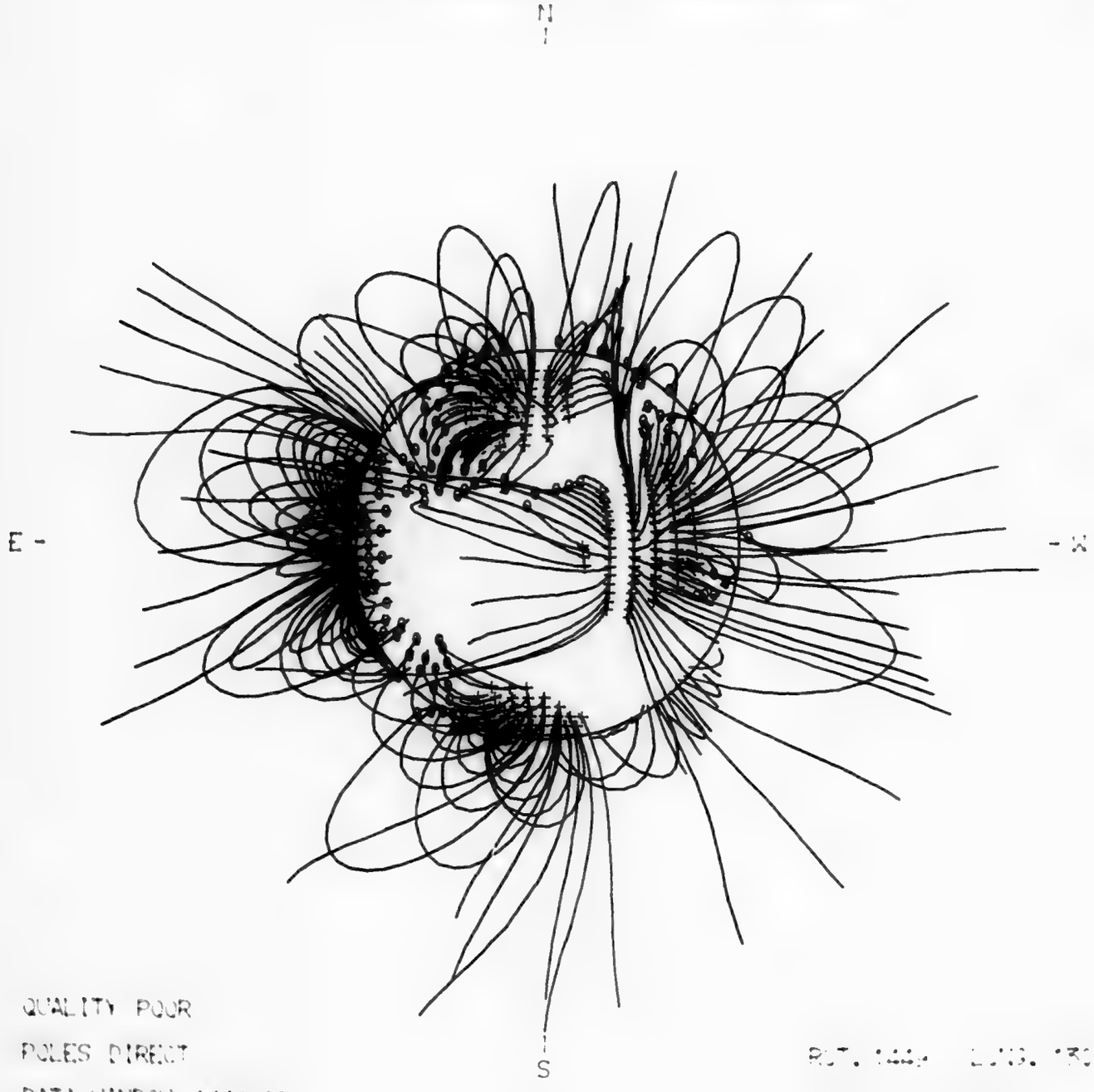
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 35°

14.9 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

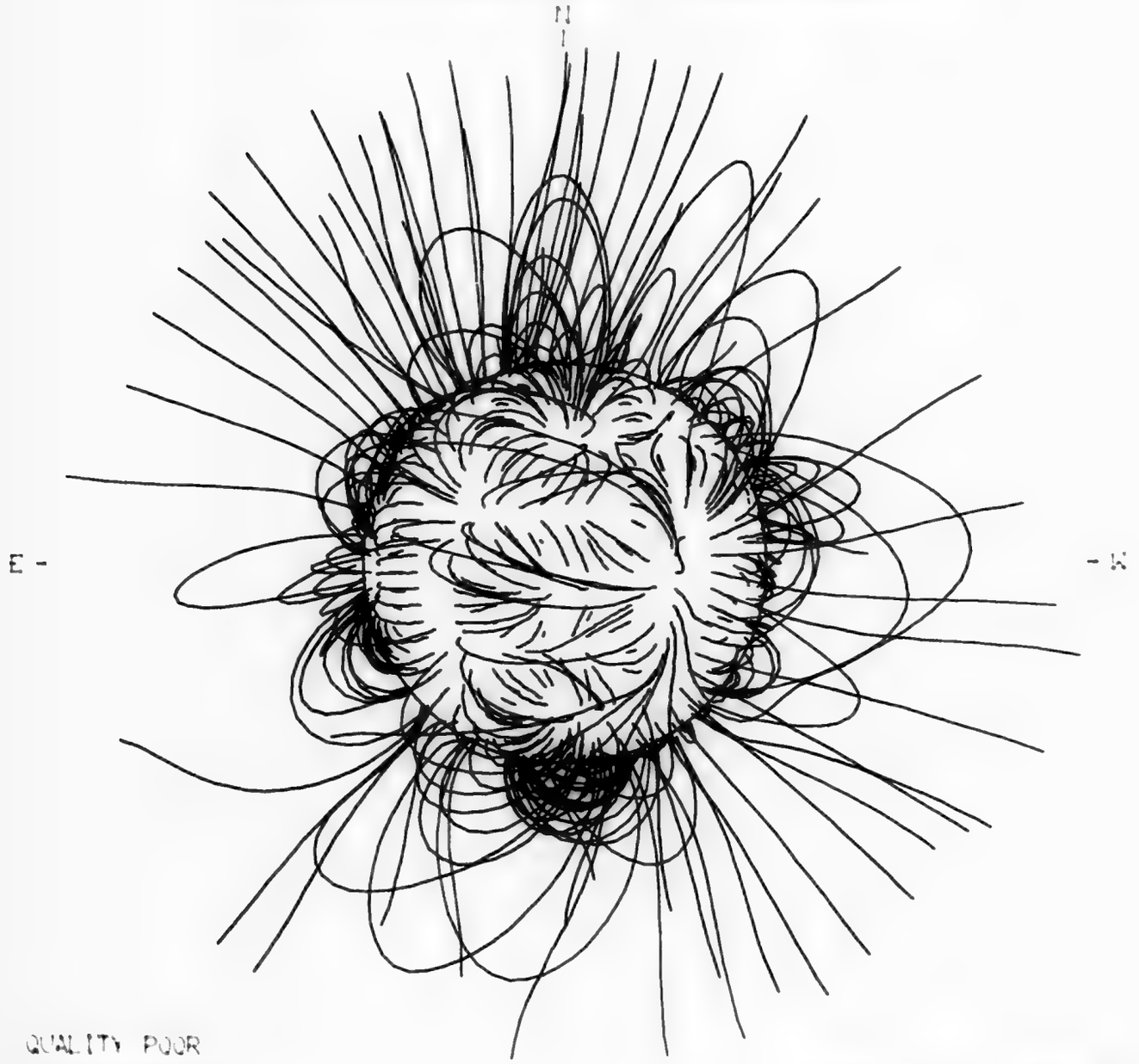
POLES DIRECT

DATA WINDOW 1.000.00

ROT. 1444 L 0.0. 130°

14.9 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

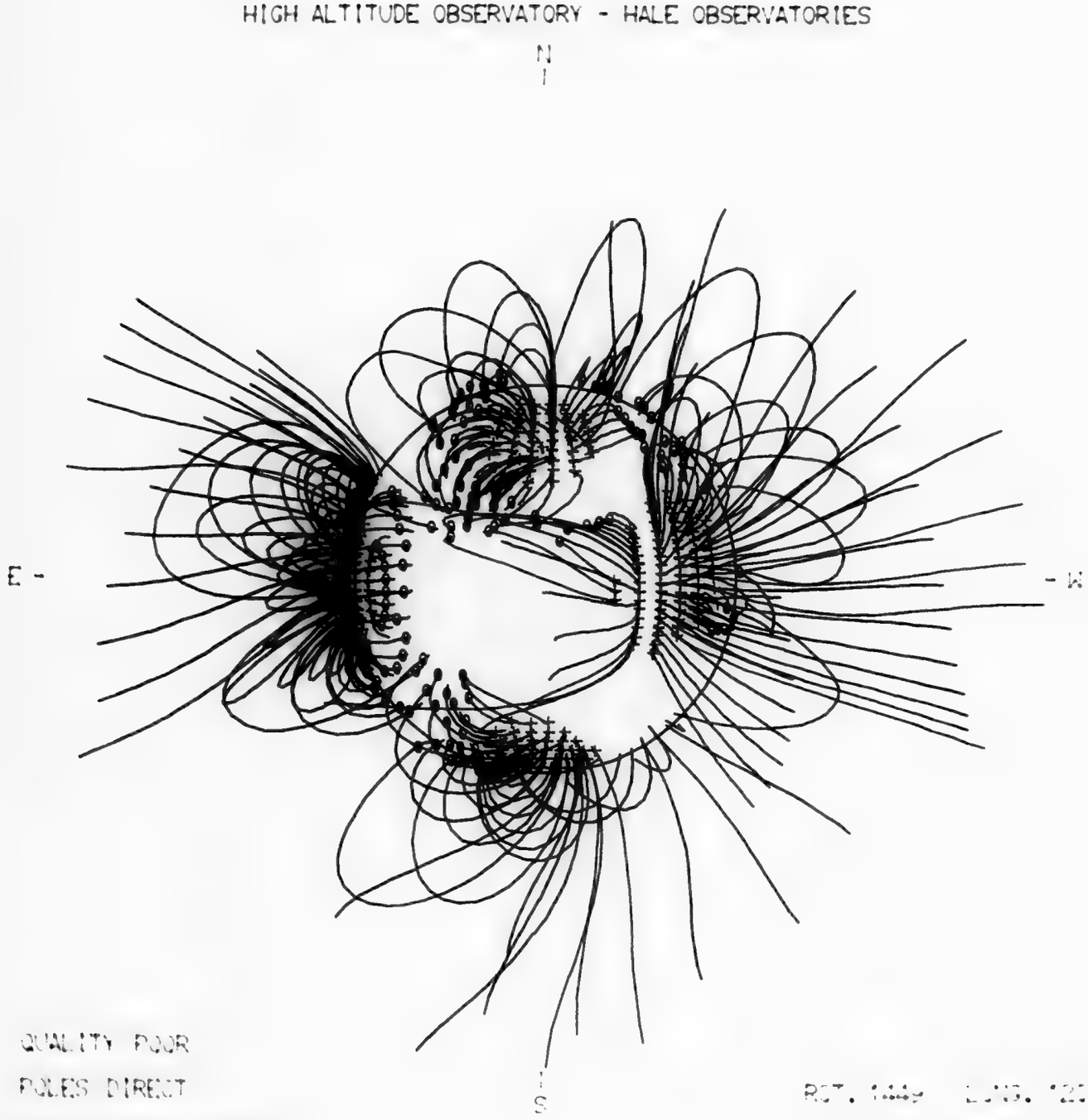
POLES DIRECT

DATA WINDOW 1.000.00

ROT. 1000 LONG. 120°

15.7 JAN 1972

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

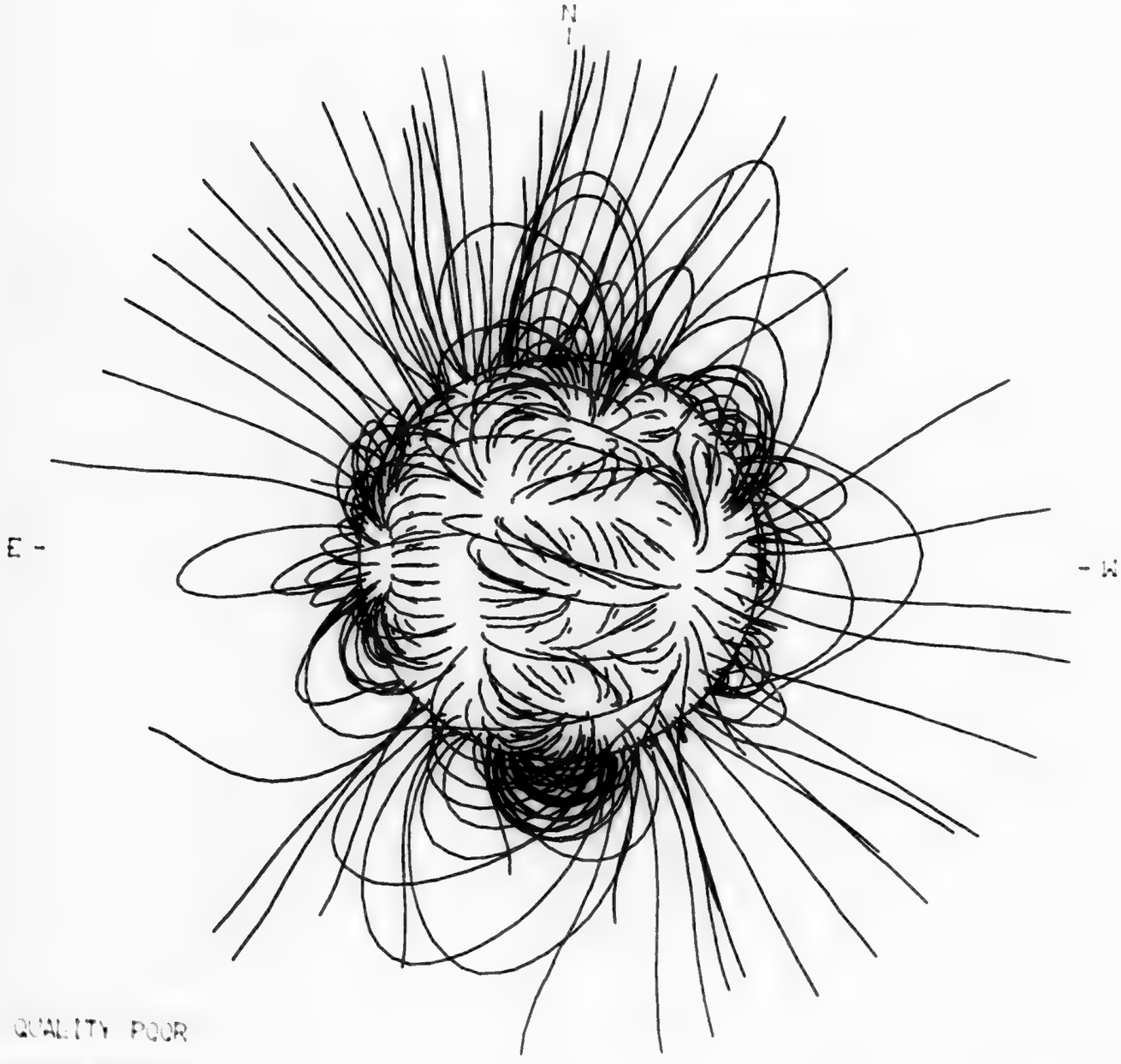
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 120°

15.7 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

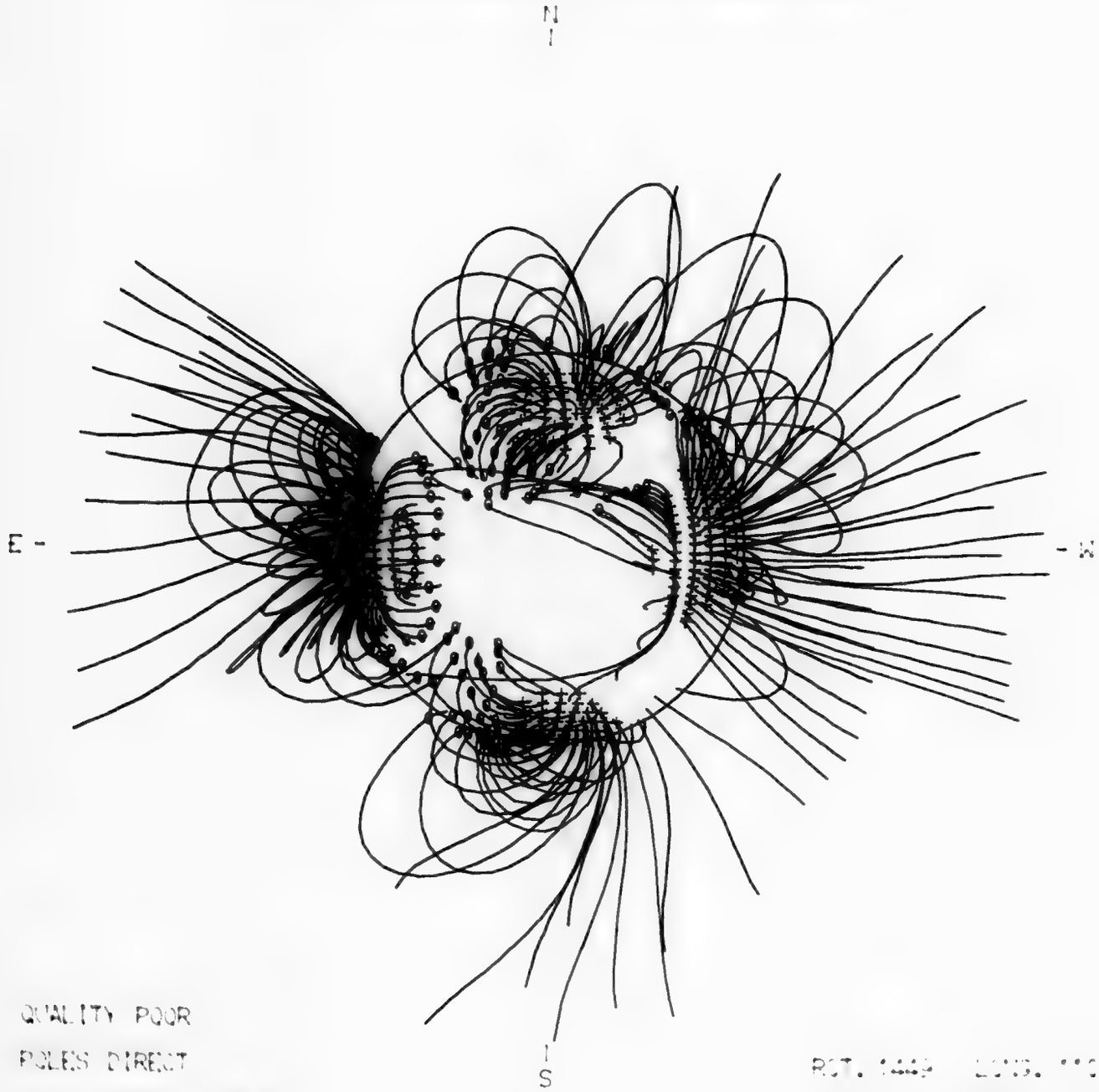
POLES DIRECT

DATA WINDOW 1419.00

ROT. 1419 [illegible]°

15.4 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

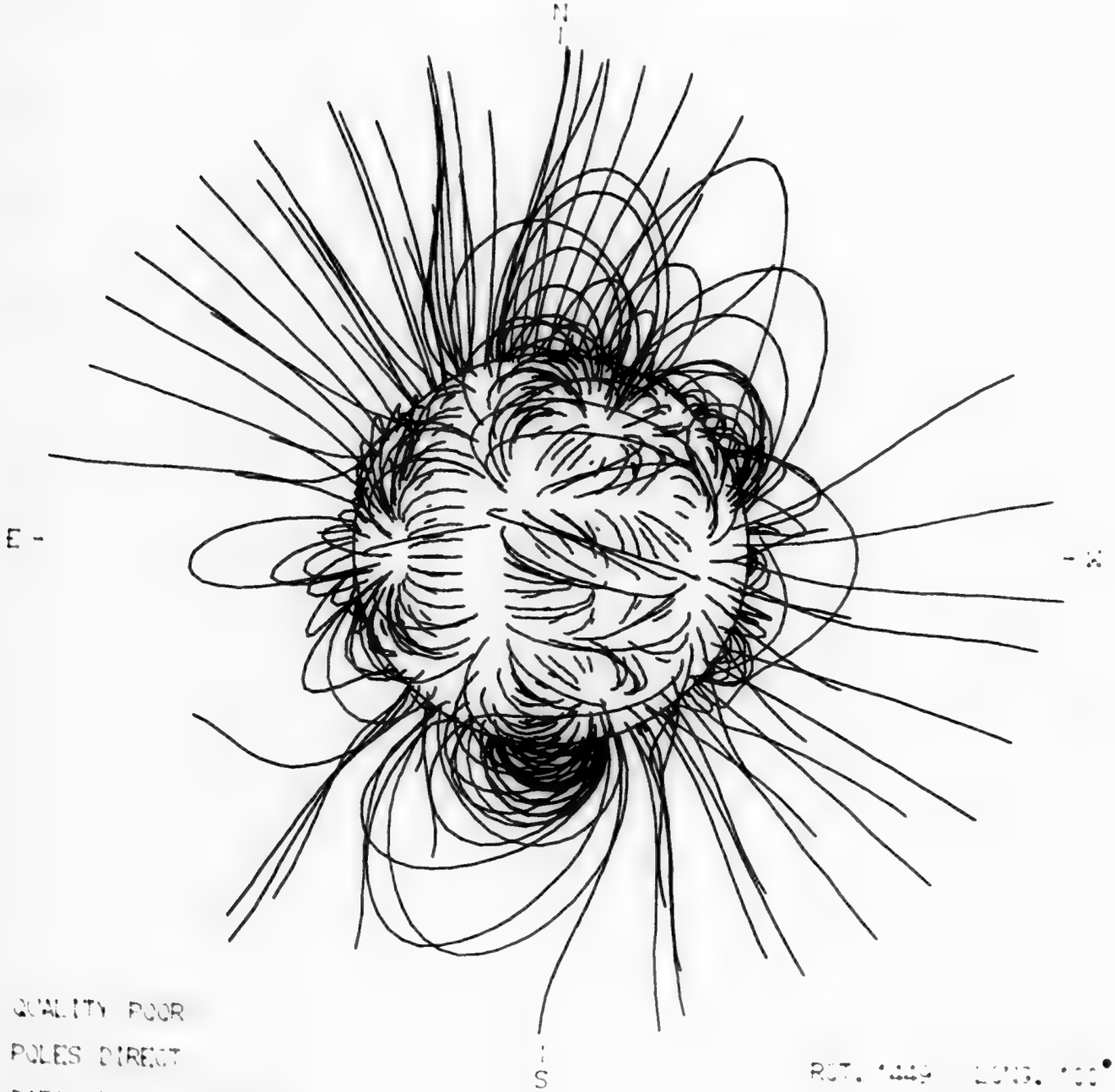
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 0.0°

16.4 JAN 1950

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

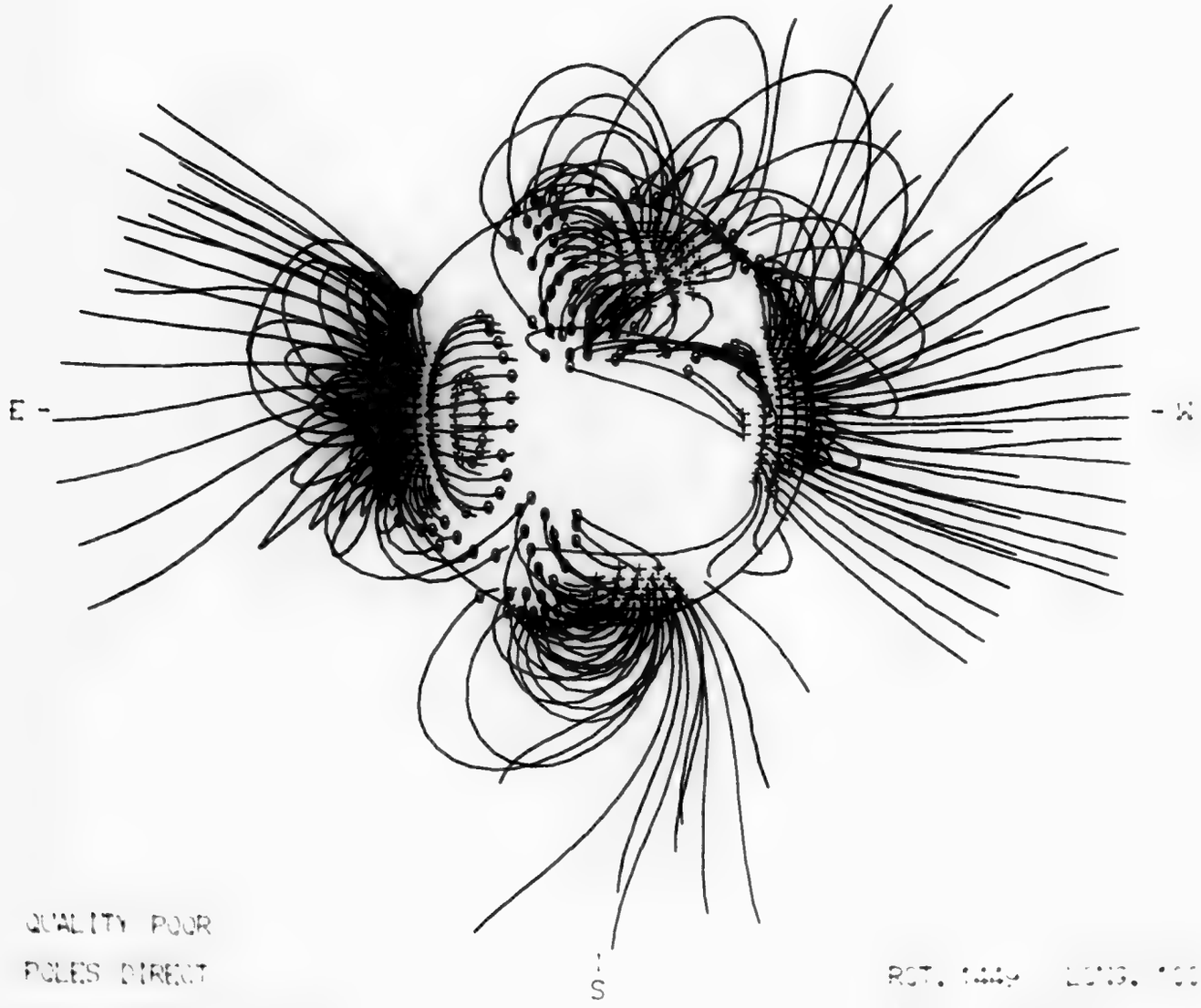
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 2013.00°

17.2 JAN 1982

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

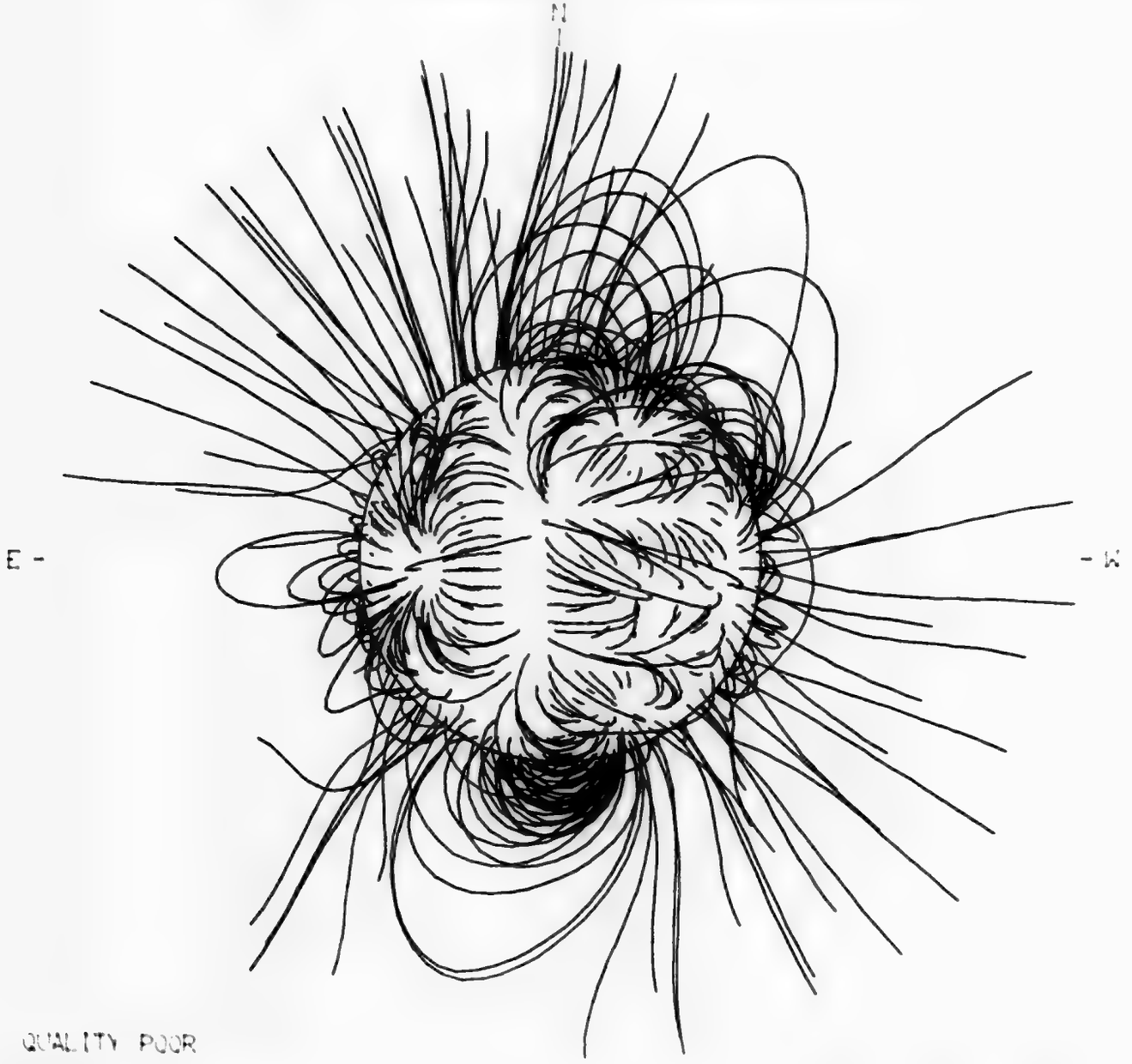
POLES DIRECT

DATA WINDOW 1.00-0.00

ROT. 1444 LONG. 000°

17.2 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

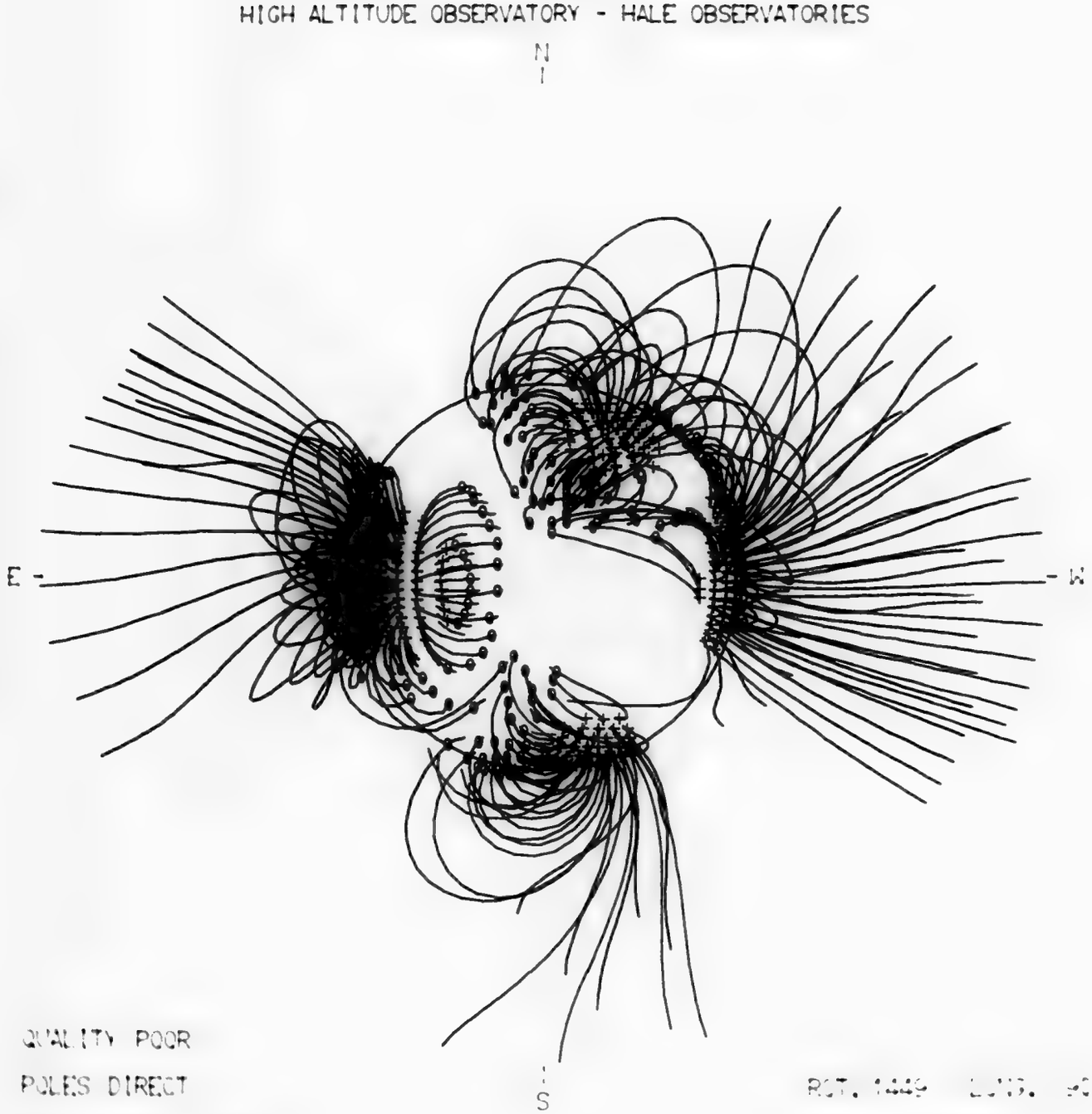
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 90°

18.0 DAY 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

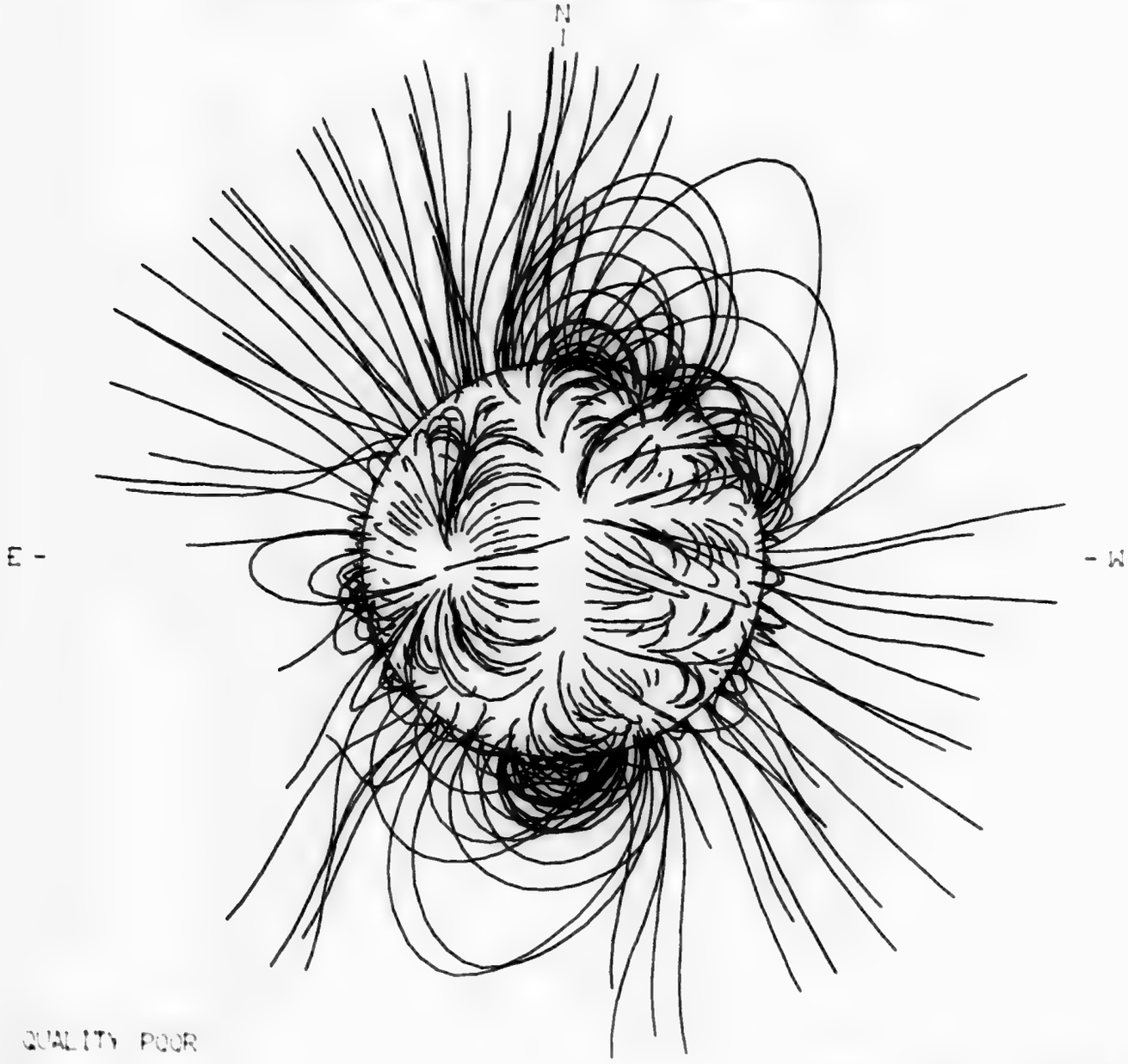
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 90°

18.0 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

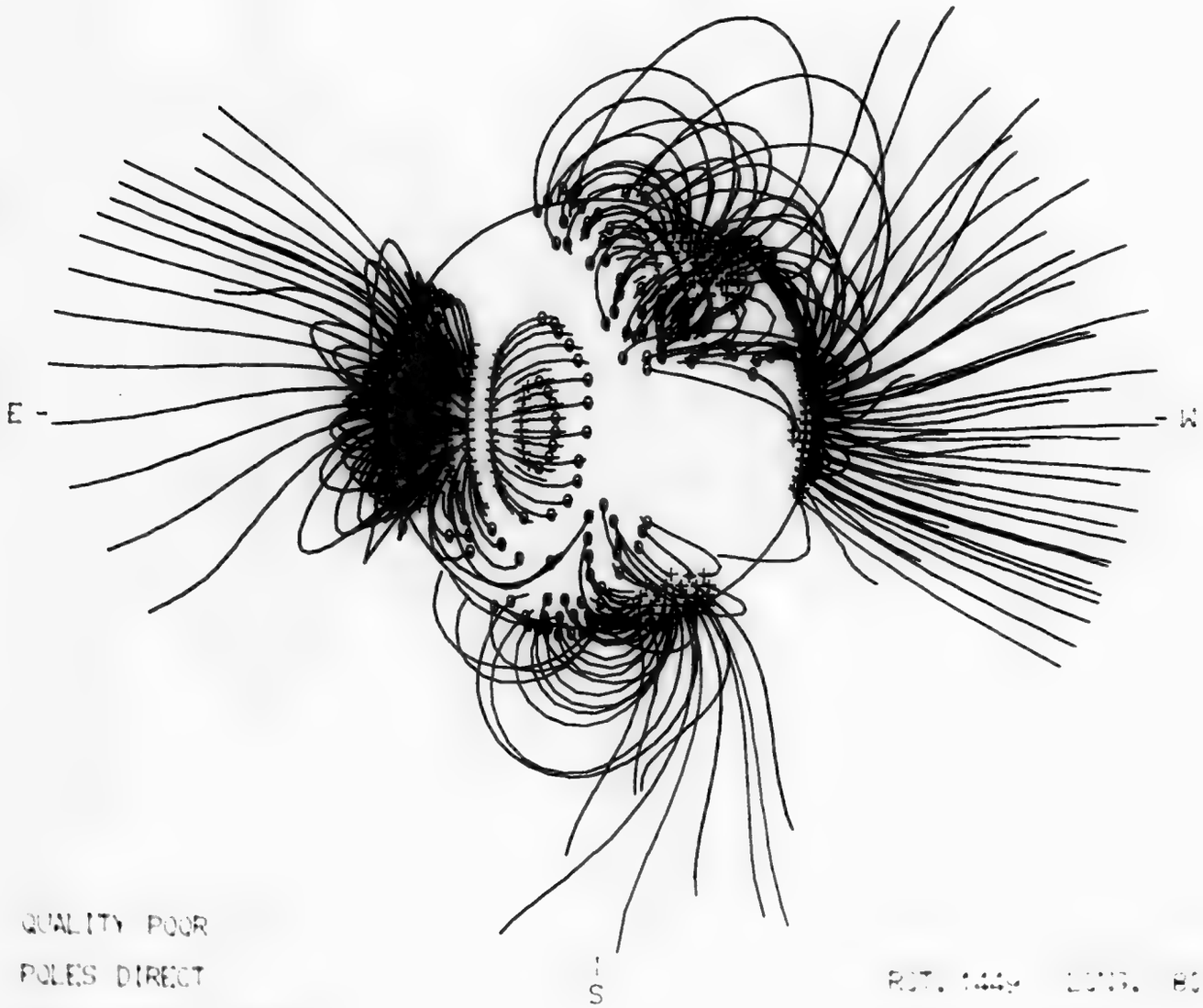
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 90°

18.7 DAY 1.002

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

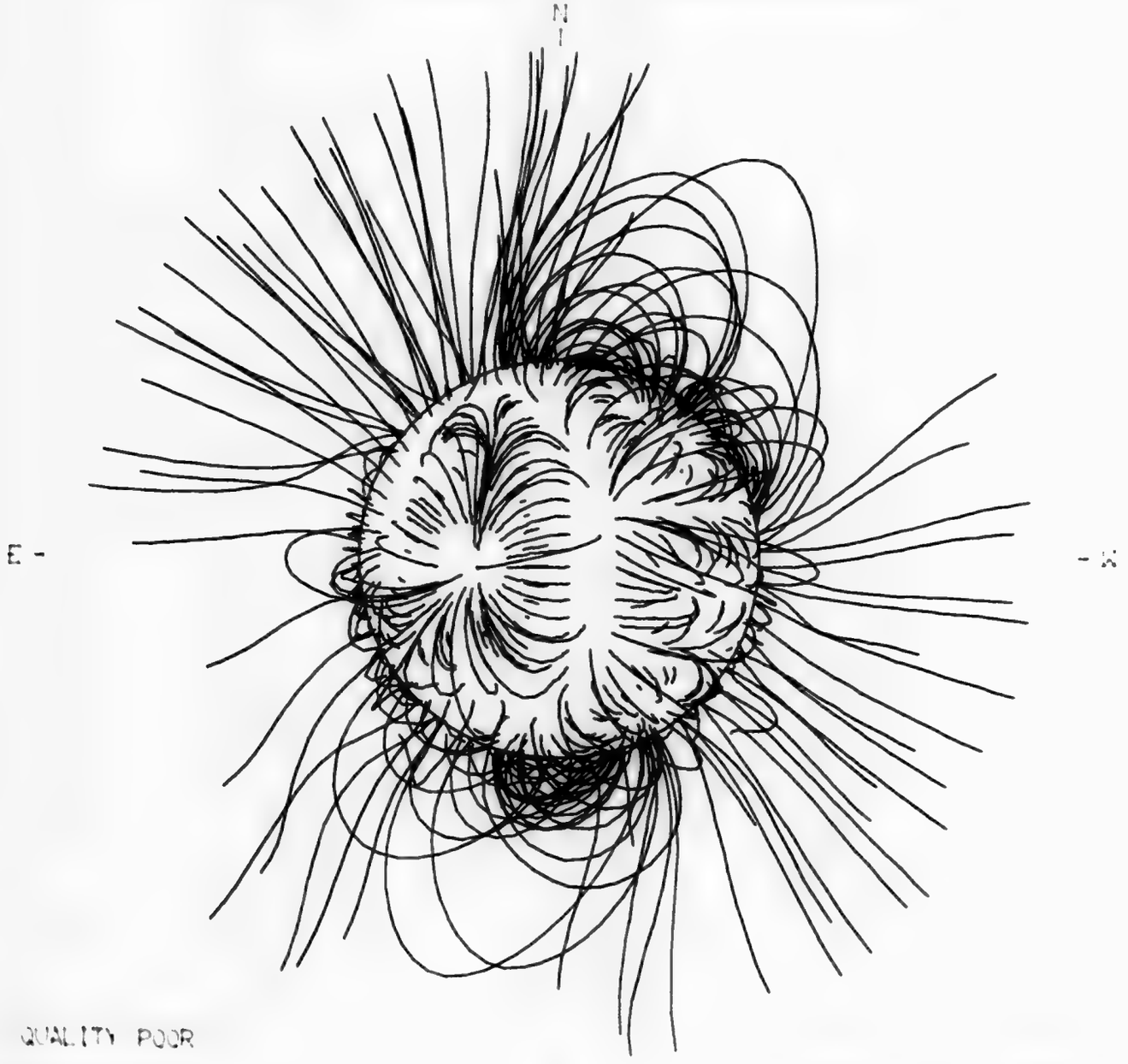
POLES DIRECT

DATA WINDOW 1.00-0.00

ROT. 1444 LONG. 80°

18.7 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

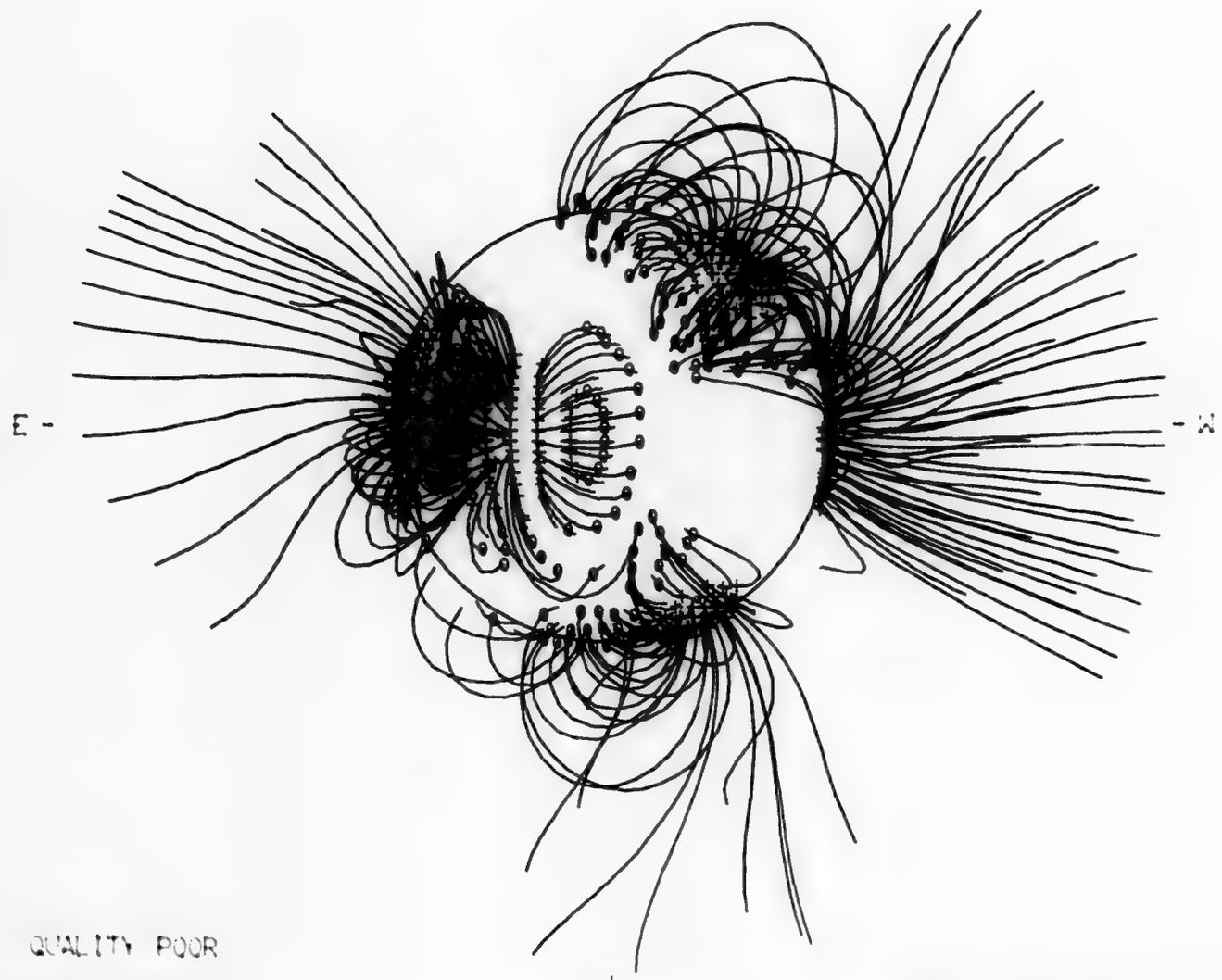
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 75°

19.5 GAU 1.62

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

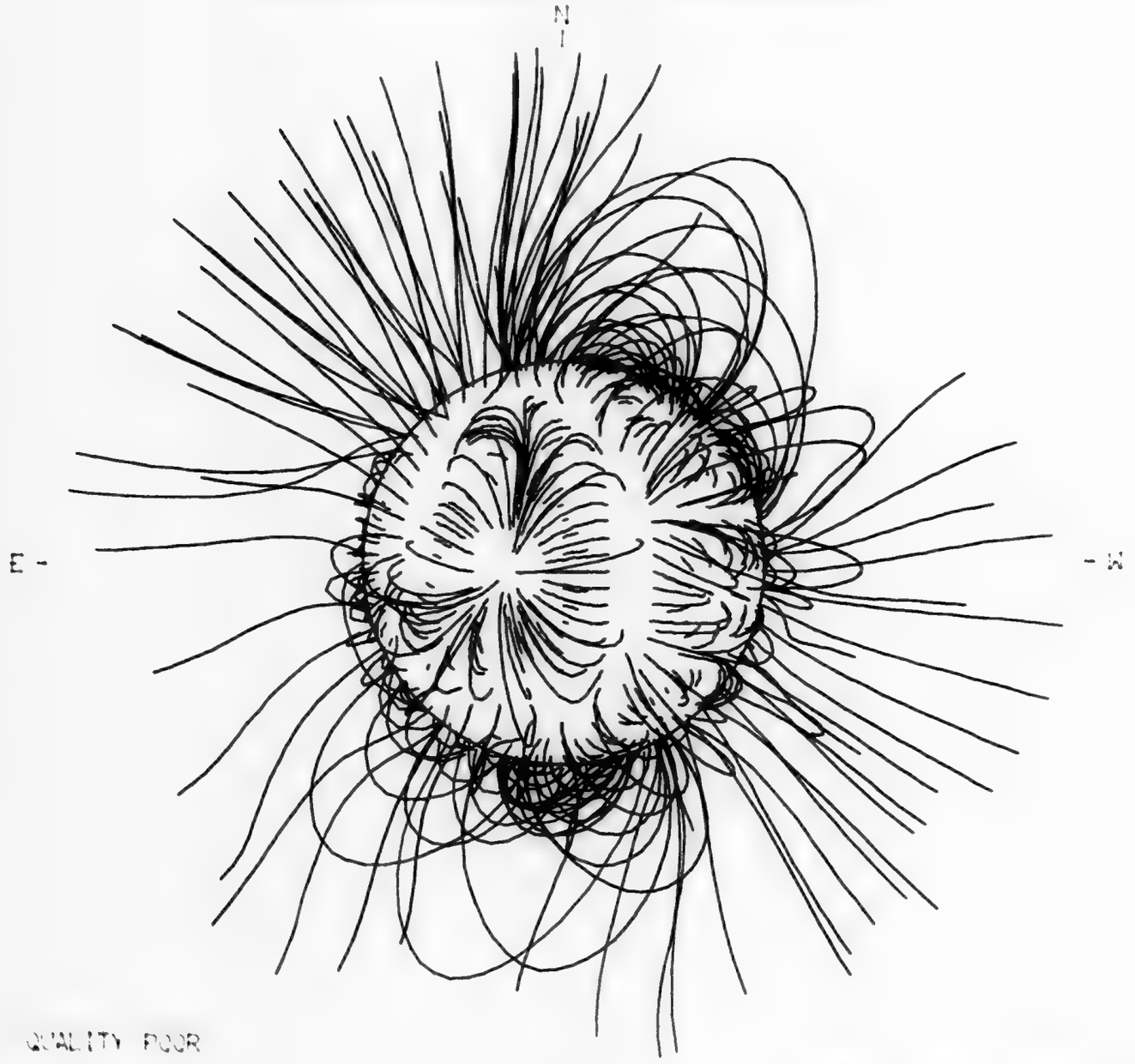
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 70°

19.5 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

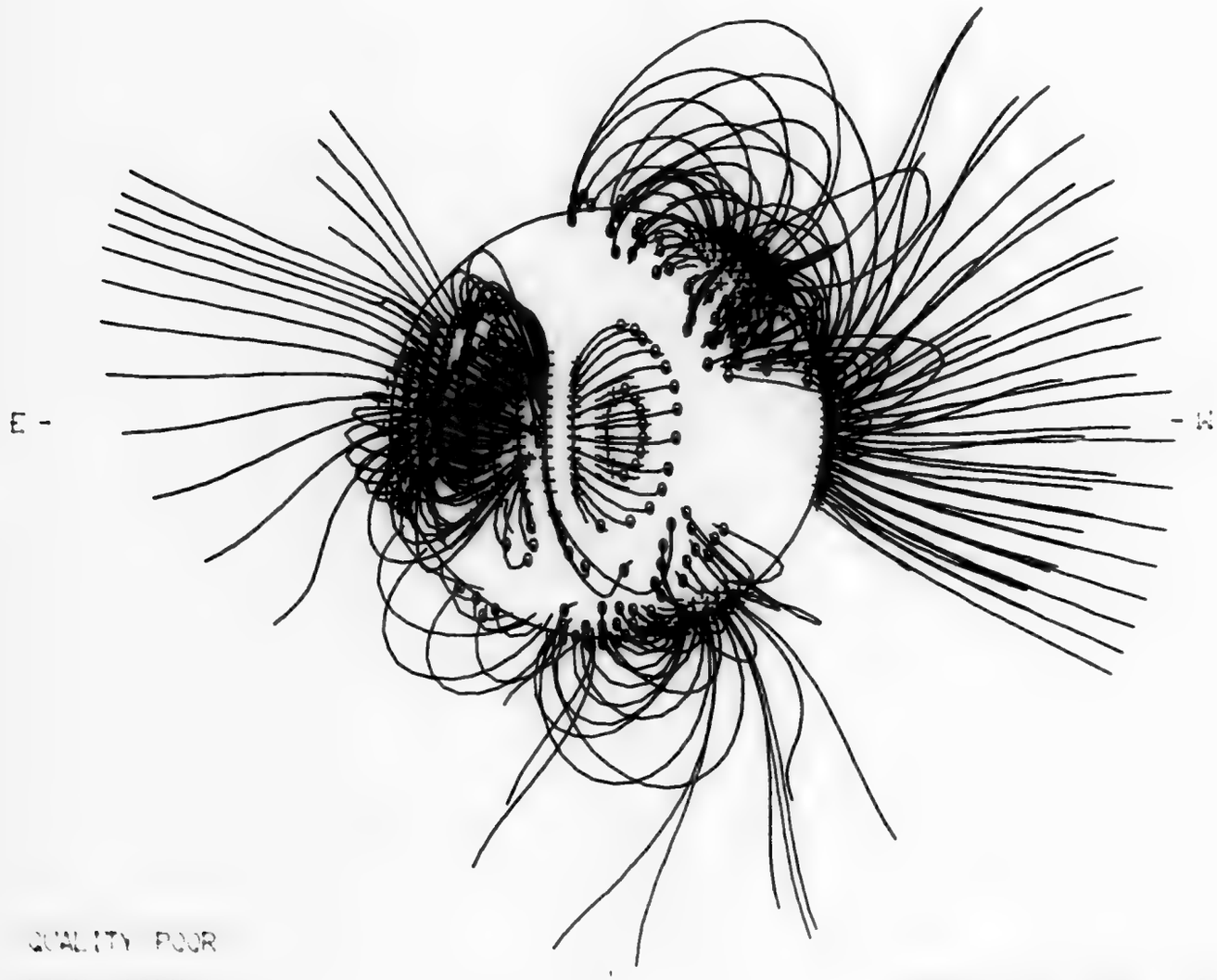
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 90°

20.2 CAR. 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

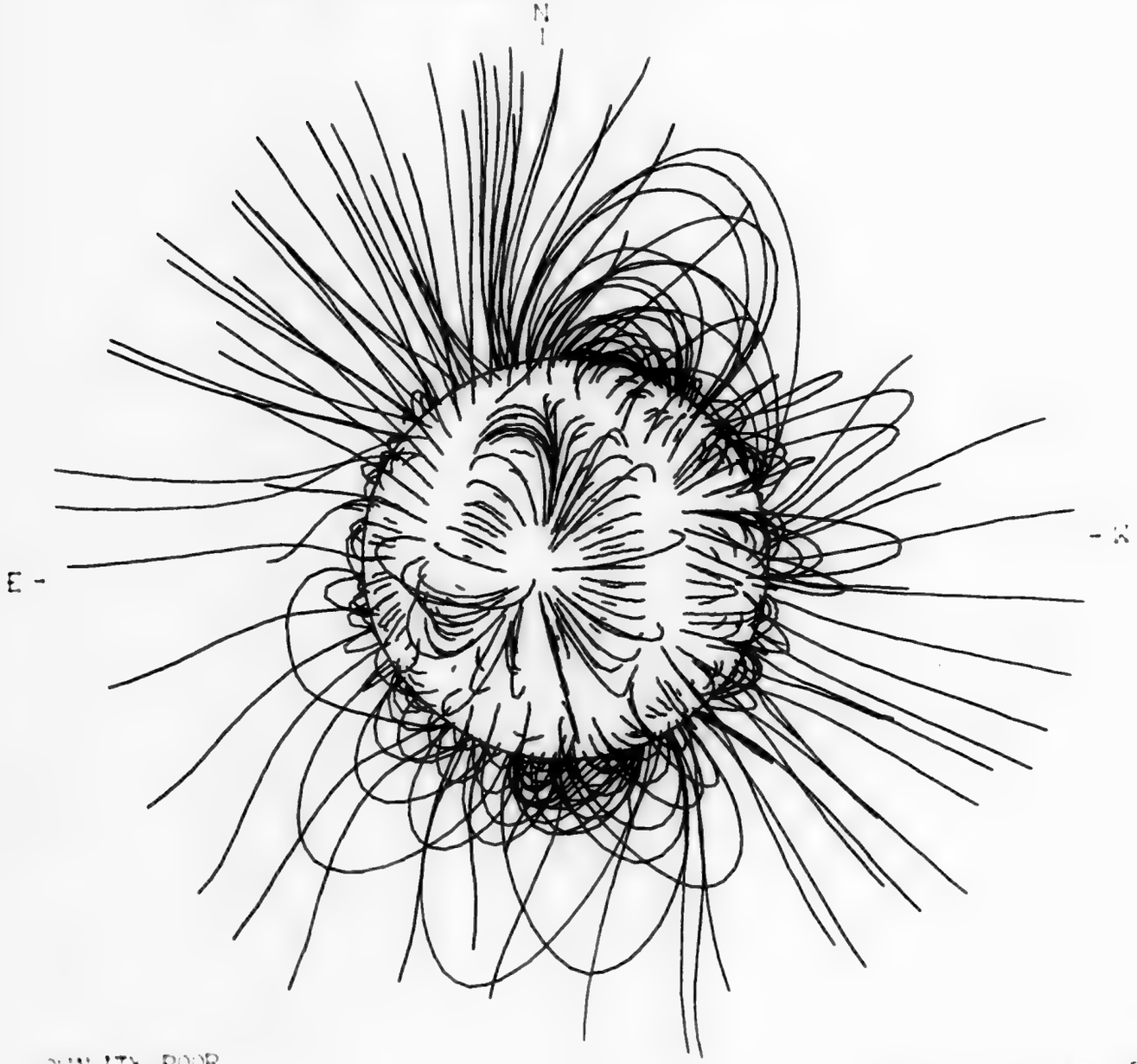
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 5[illegible]°

20.2 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

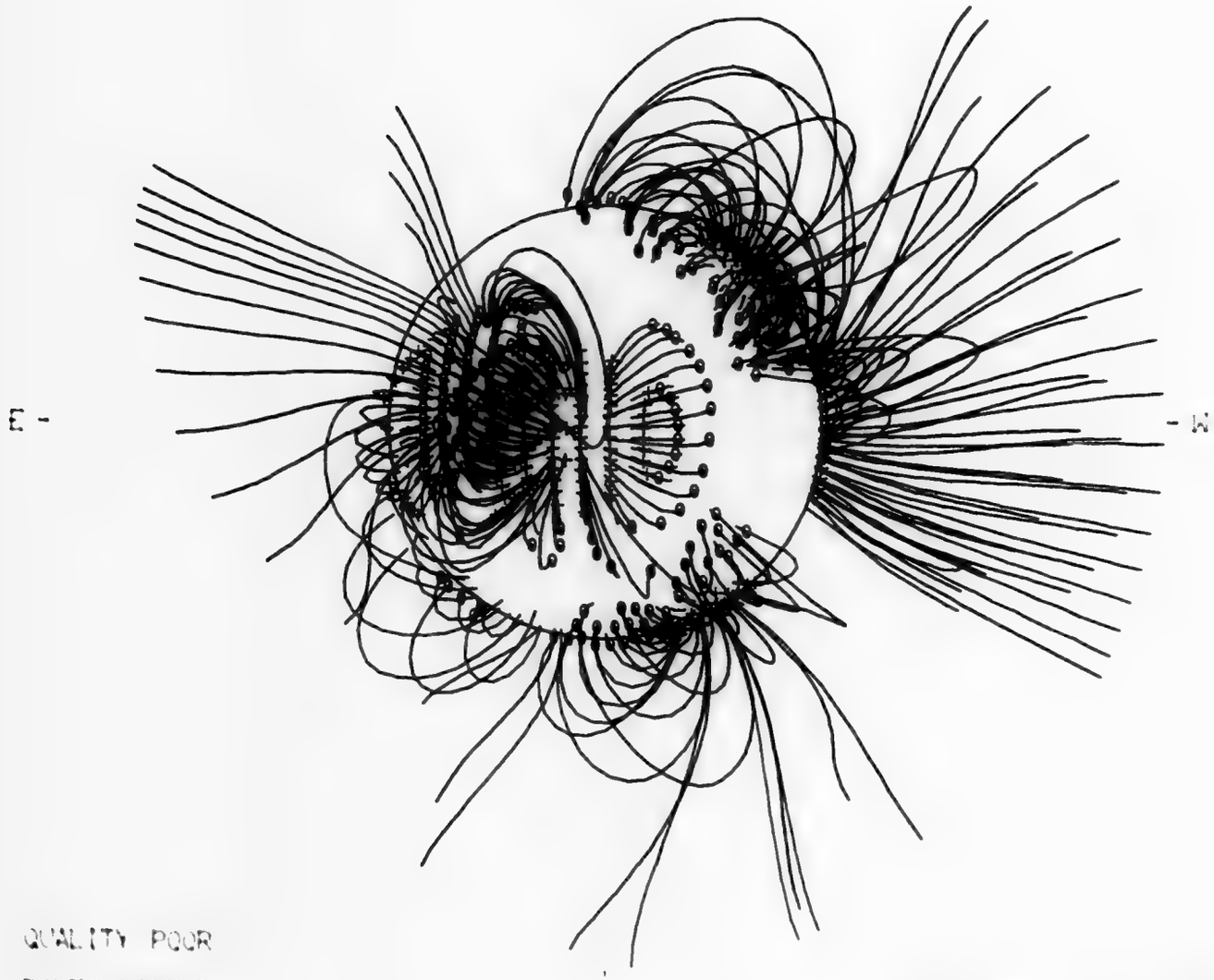
POLES DIRECT

DATA WINDOW 1.1.0.00

ROT. 1.1.0. LONG. 5.0°

21.0 .12. 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

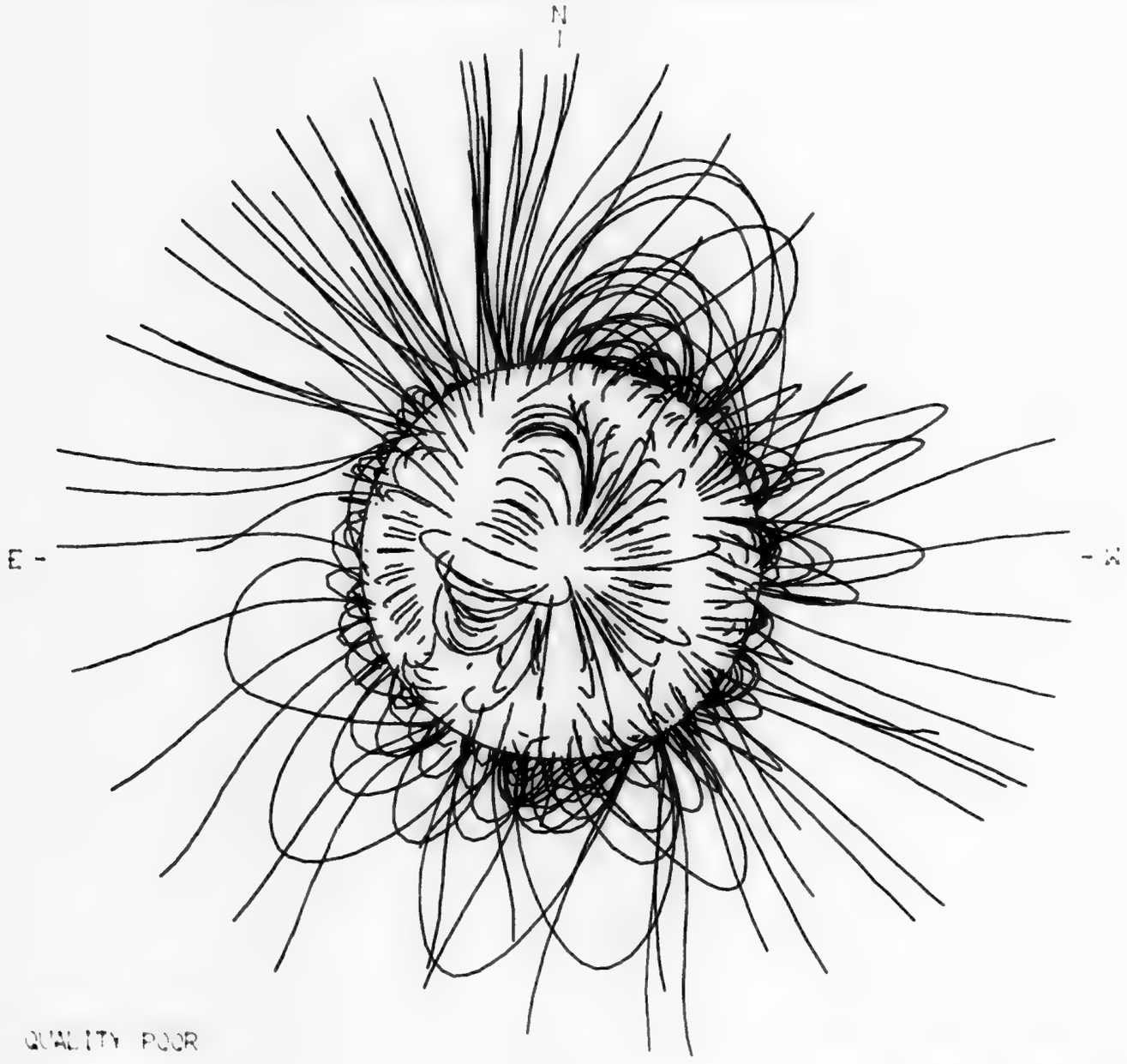
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LON. 50°

21.0 JAN 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 40°

21.7 JAN. 1952

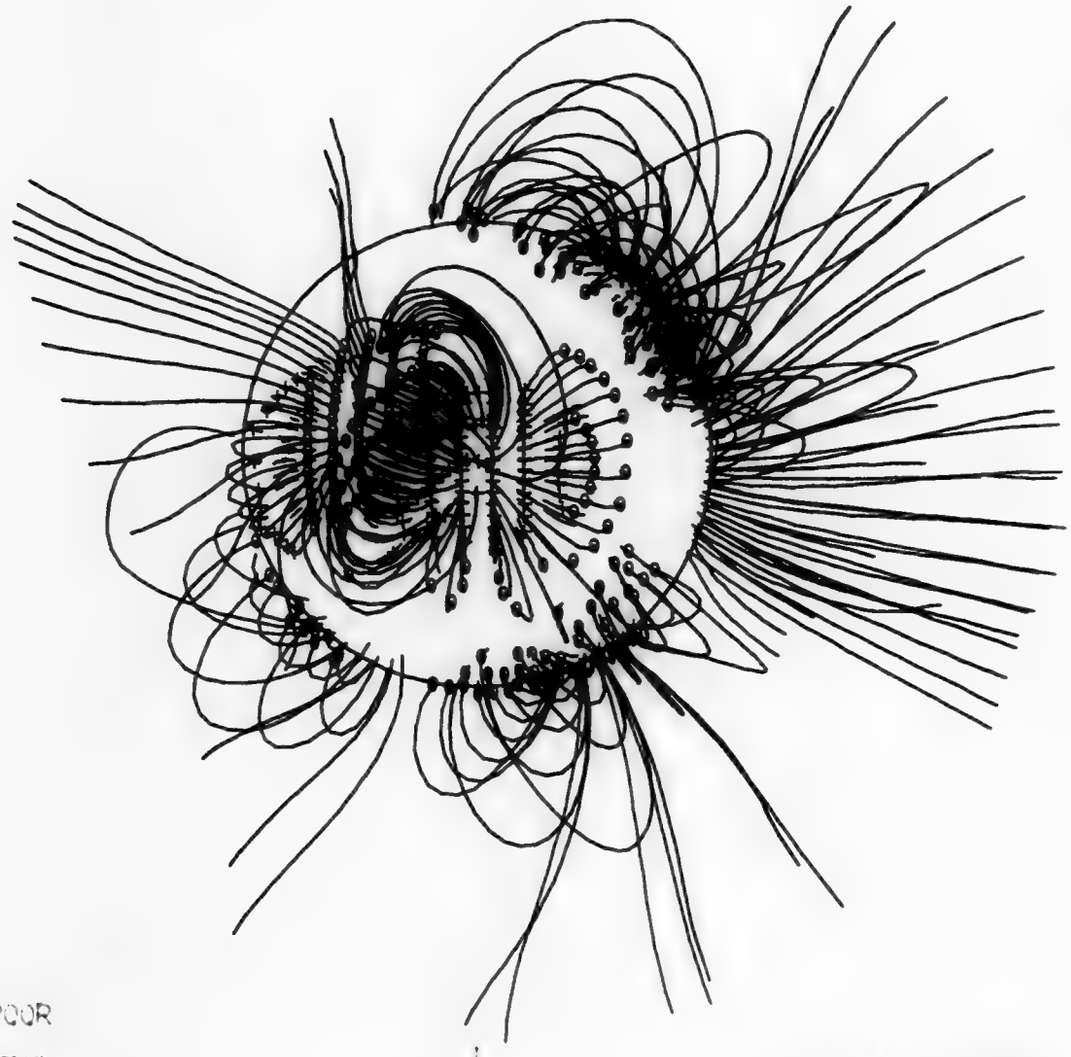
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

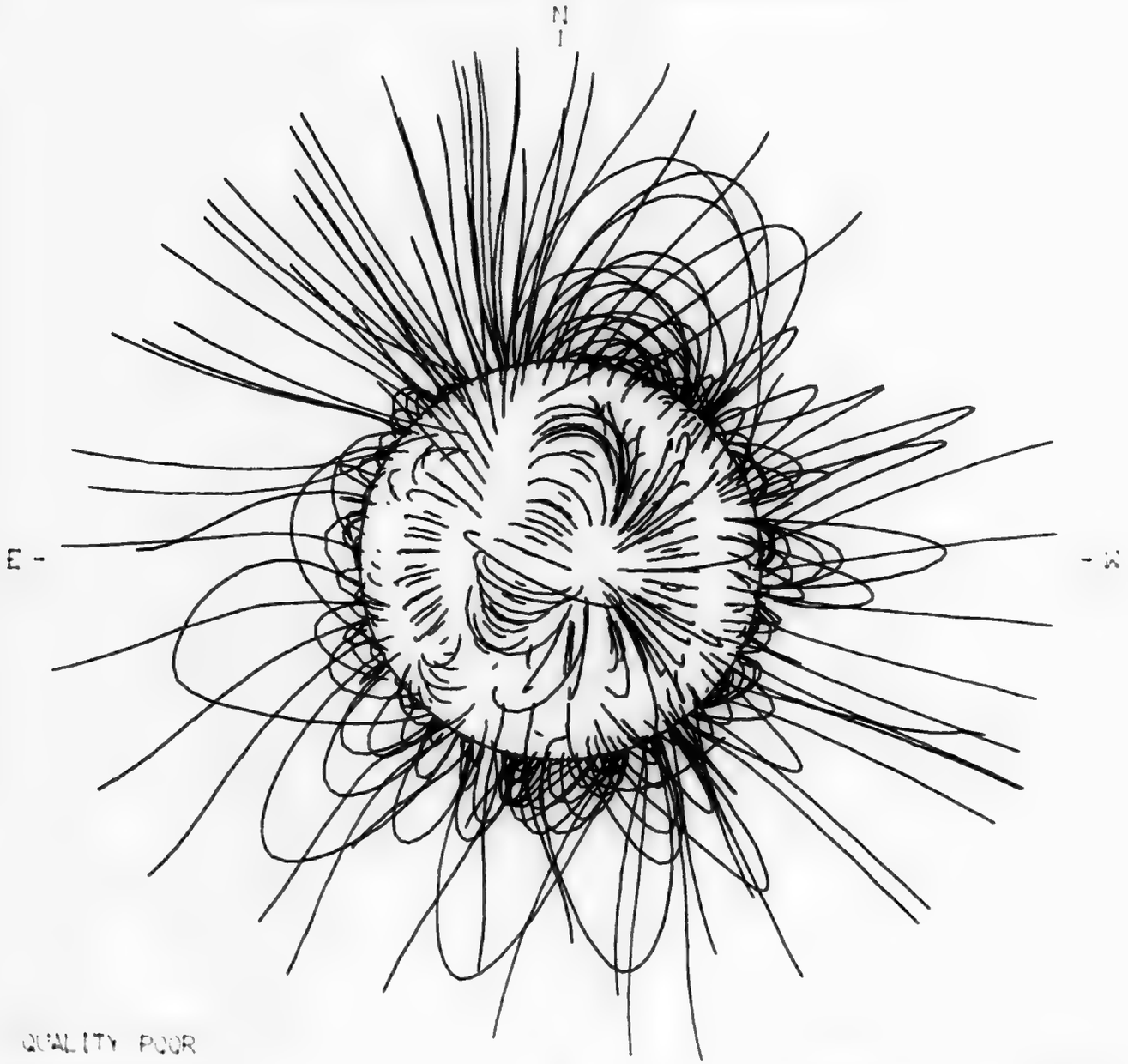
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 41°

21.7 JAN 1982

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 5.0°

22.5 CAR 1462

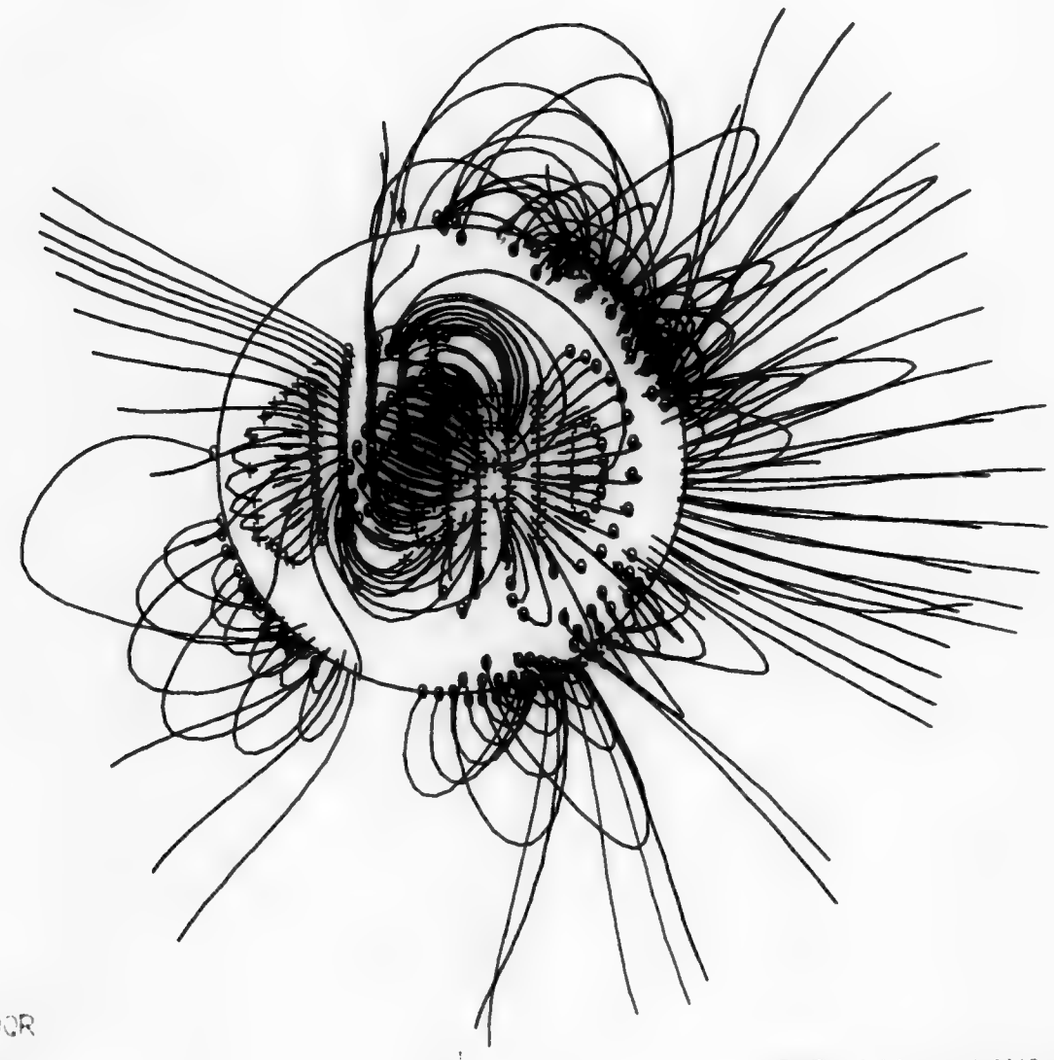
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

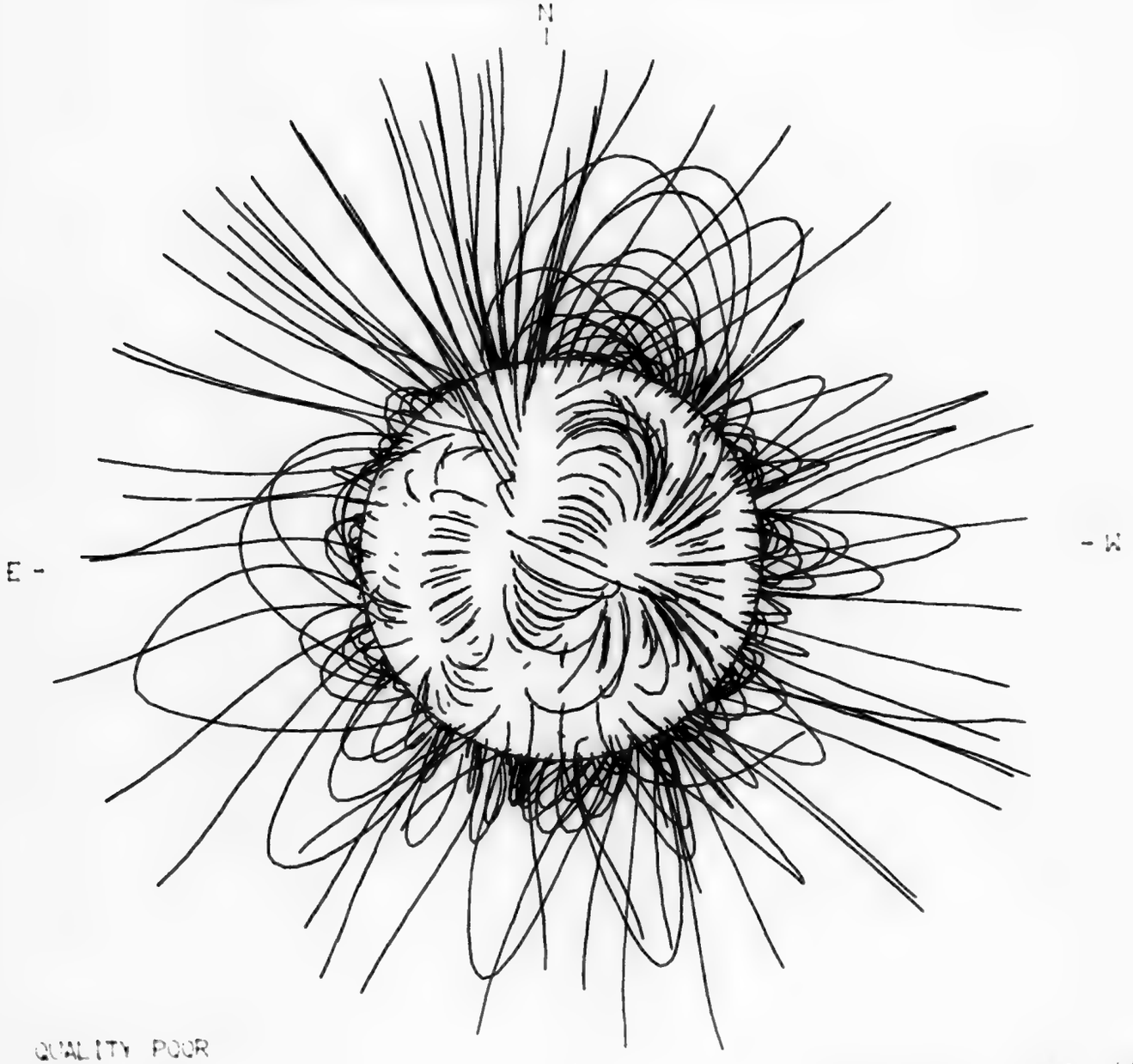
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 0313. 30°

22.5 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 10°

23.3 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

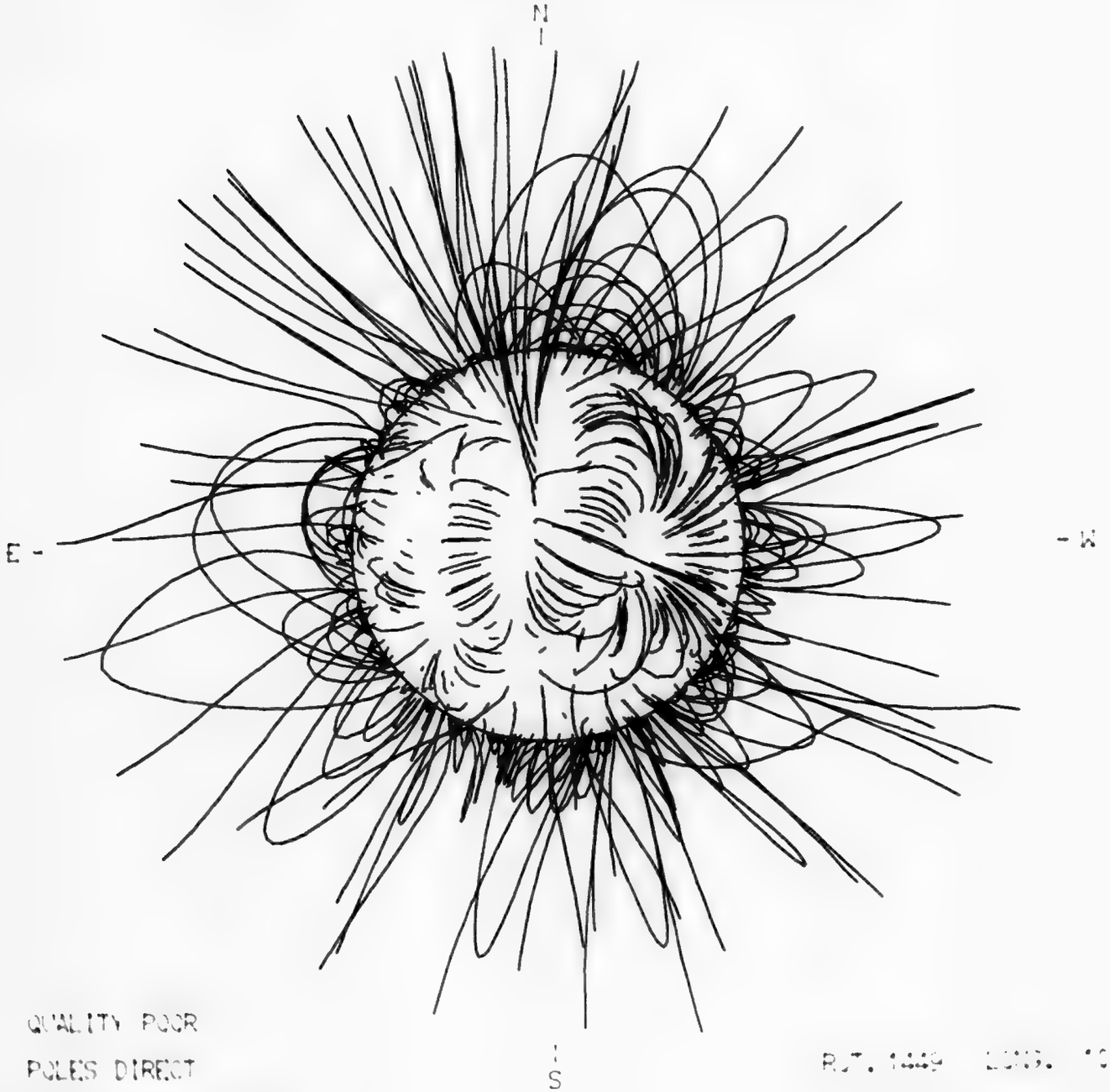
QUALITY POOR

POLES DIRECT

DATA WINDOW 1440.00

23.3

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

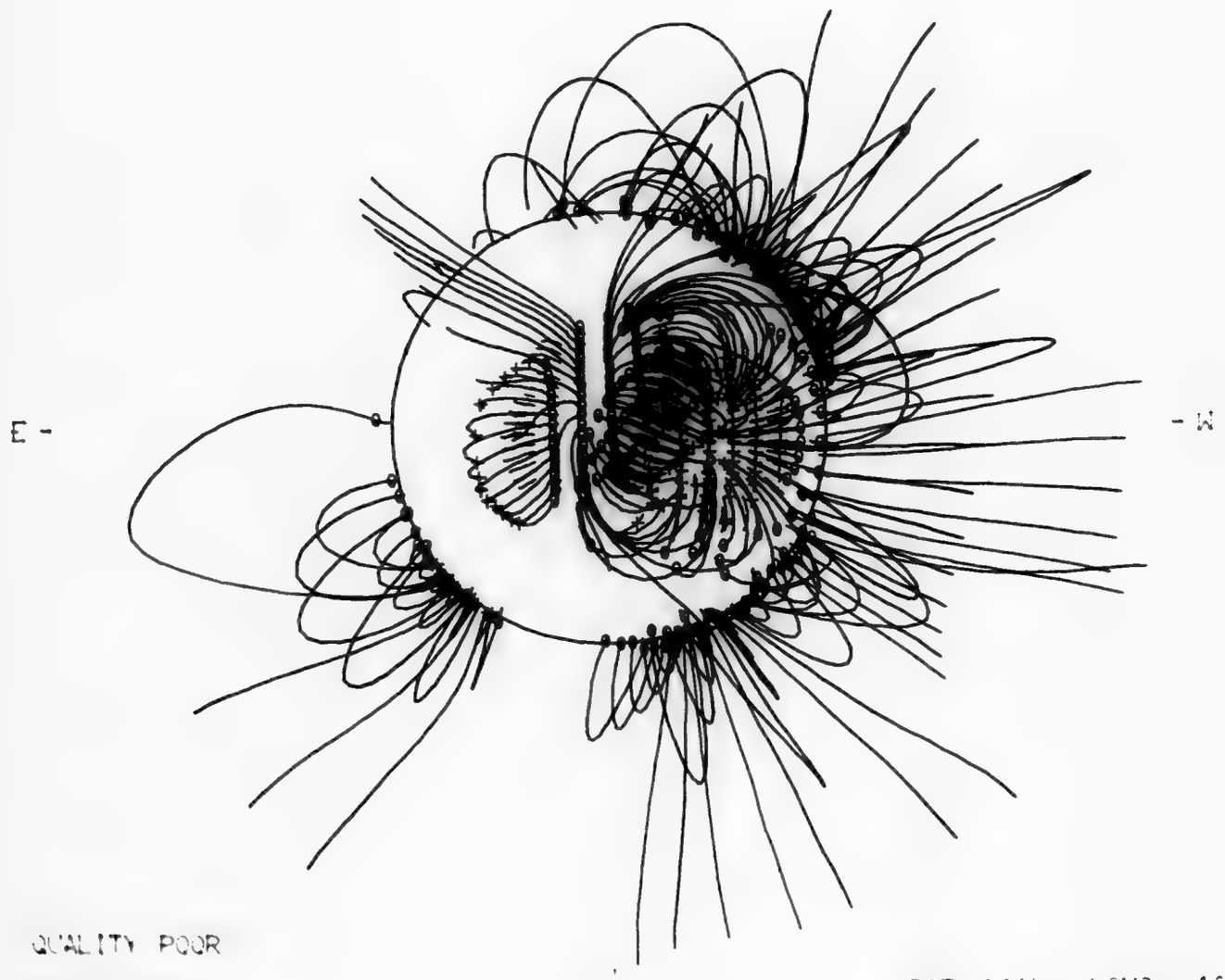
POLES DIRECT

DATA WINDOW 1449.00

R.T. 1449 [illegible]

24.0 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

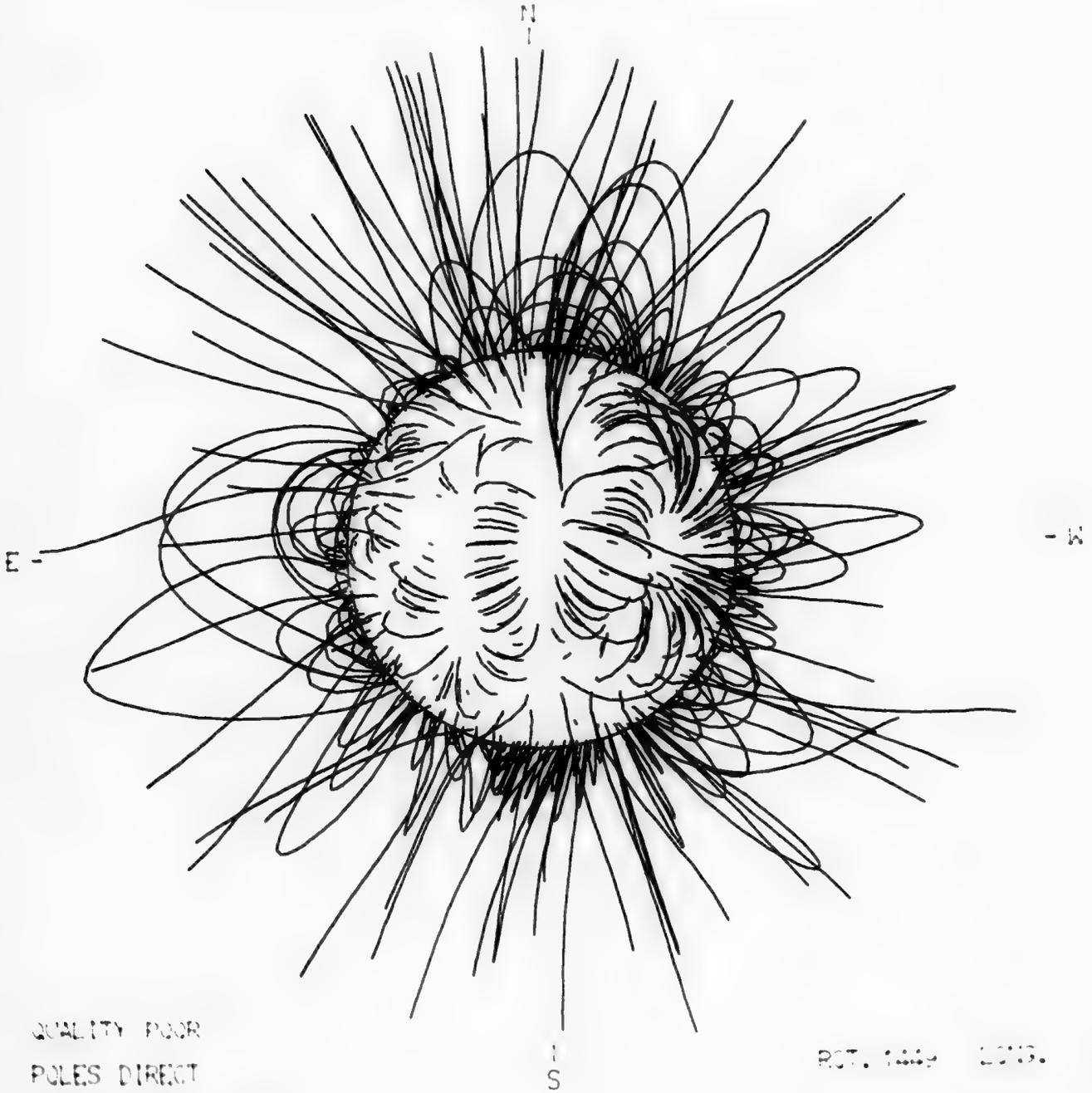
POLES DIRECT

DATA WINDOW 1449.00

ROT. 1449 LONG. 0°

24.0 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.000, 0

ROT. 1444 LONG. 0°

24.8 JAN 1965

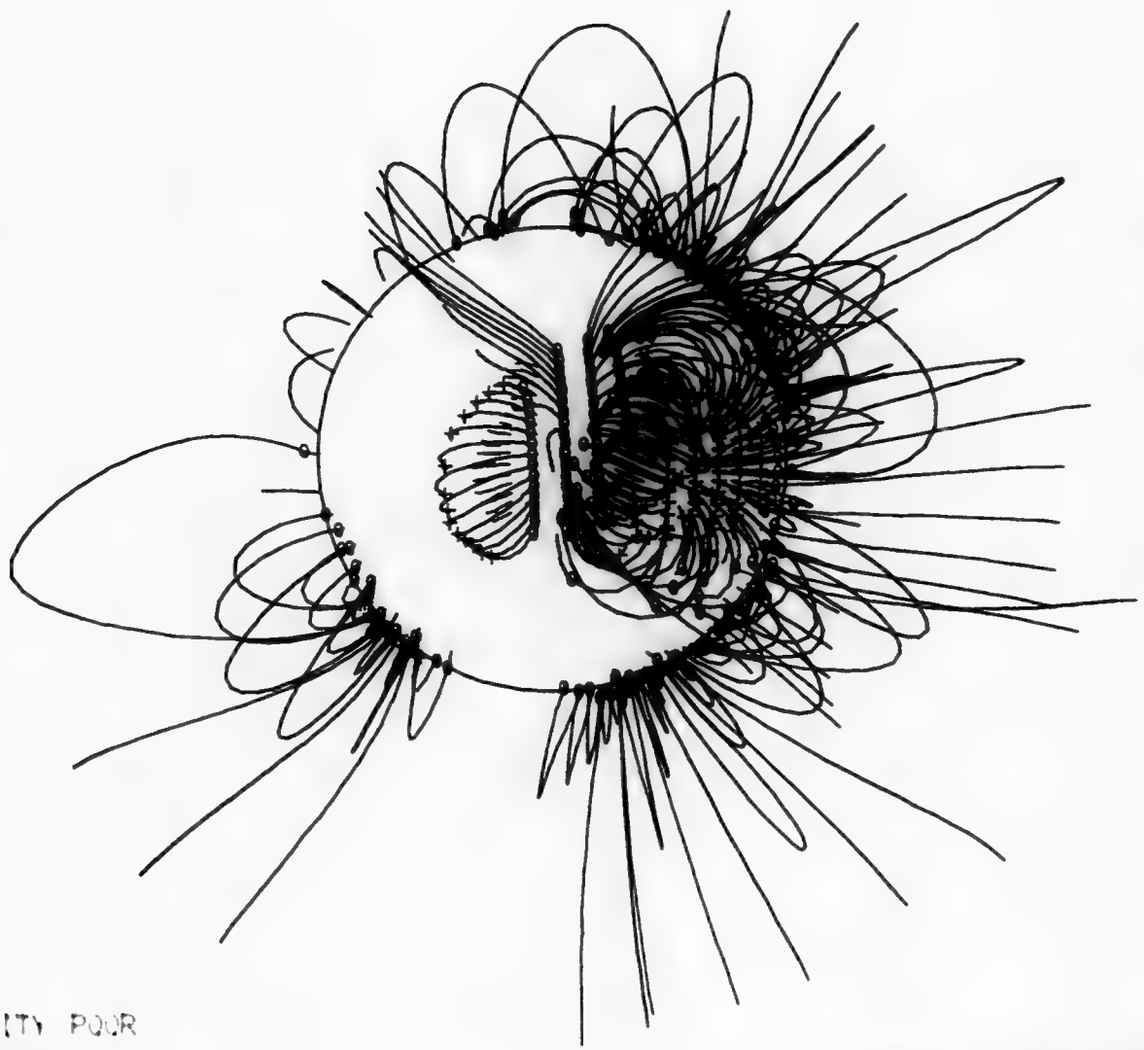
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

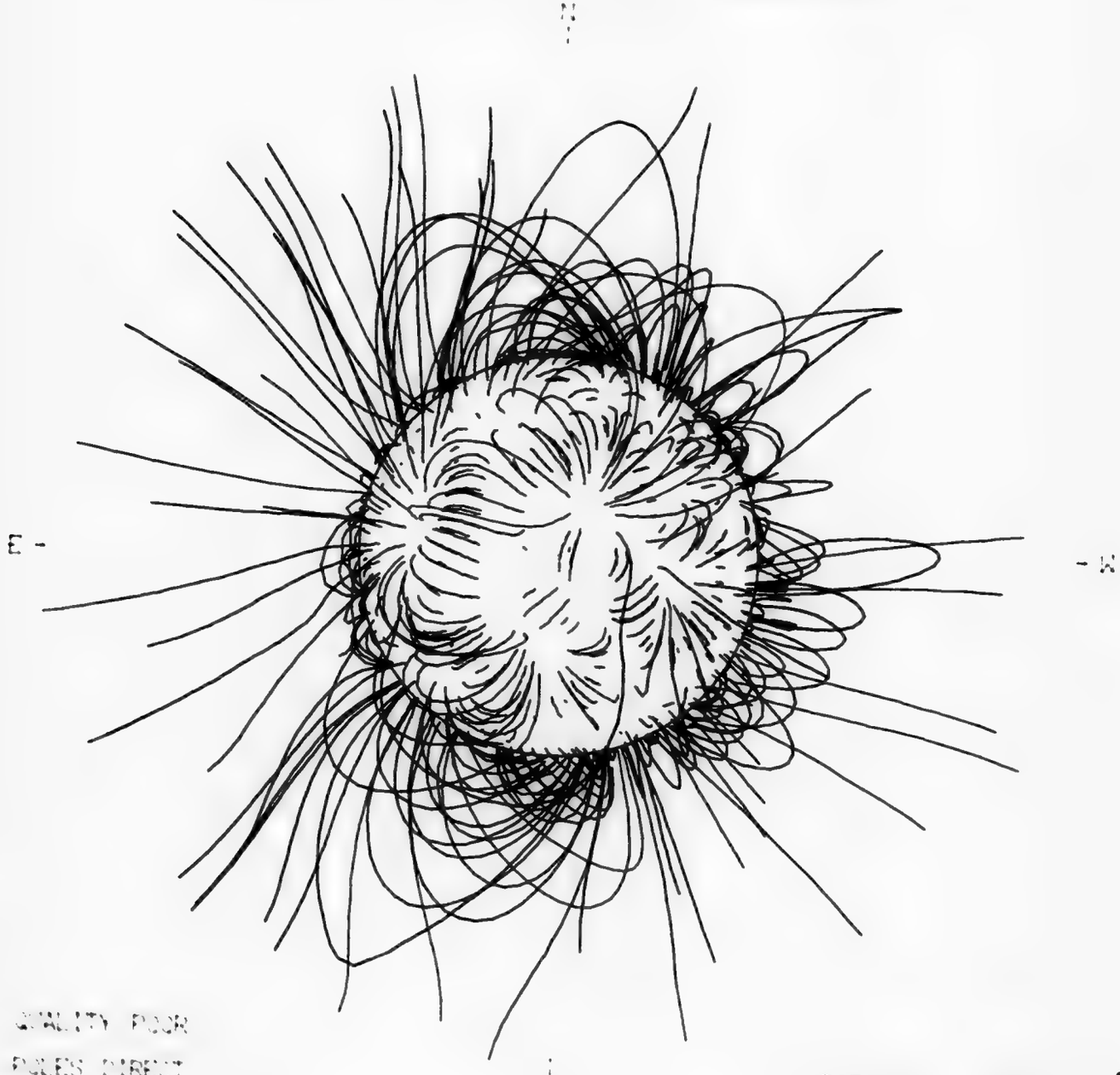
POLES DIRECT

DATA WINDOW 1.1.0.00

ROT. 1.1.0.0 LONG. 0.0

24.8 -B0 1.0.0

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

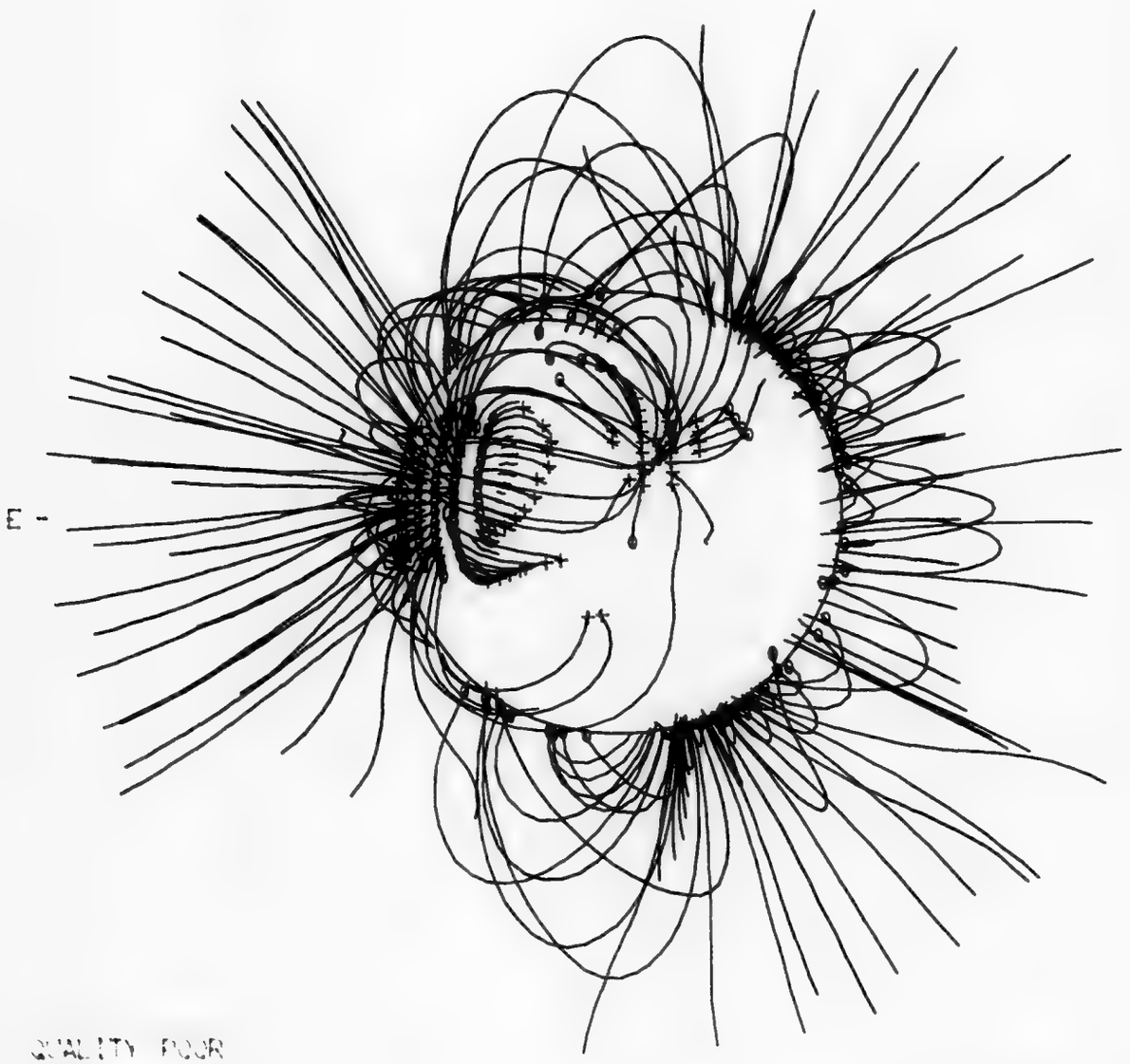
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 351°

25.6 LAT: 1462

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 350°

25.6 JAN 1962

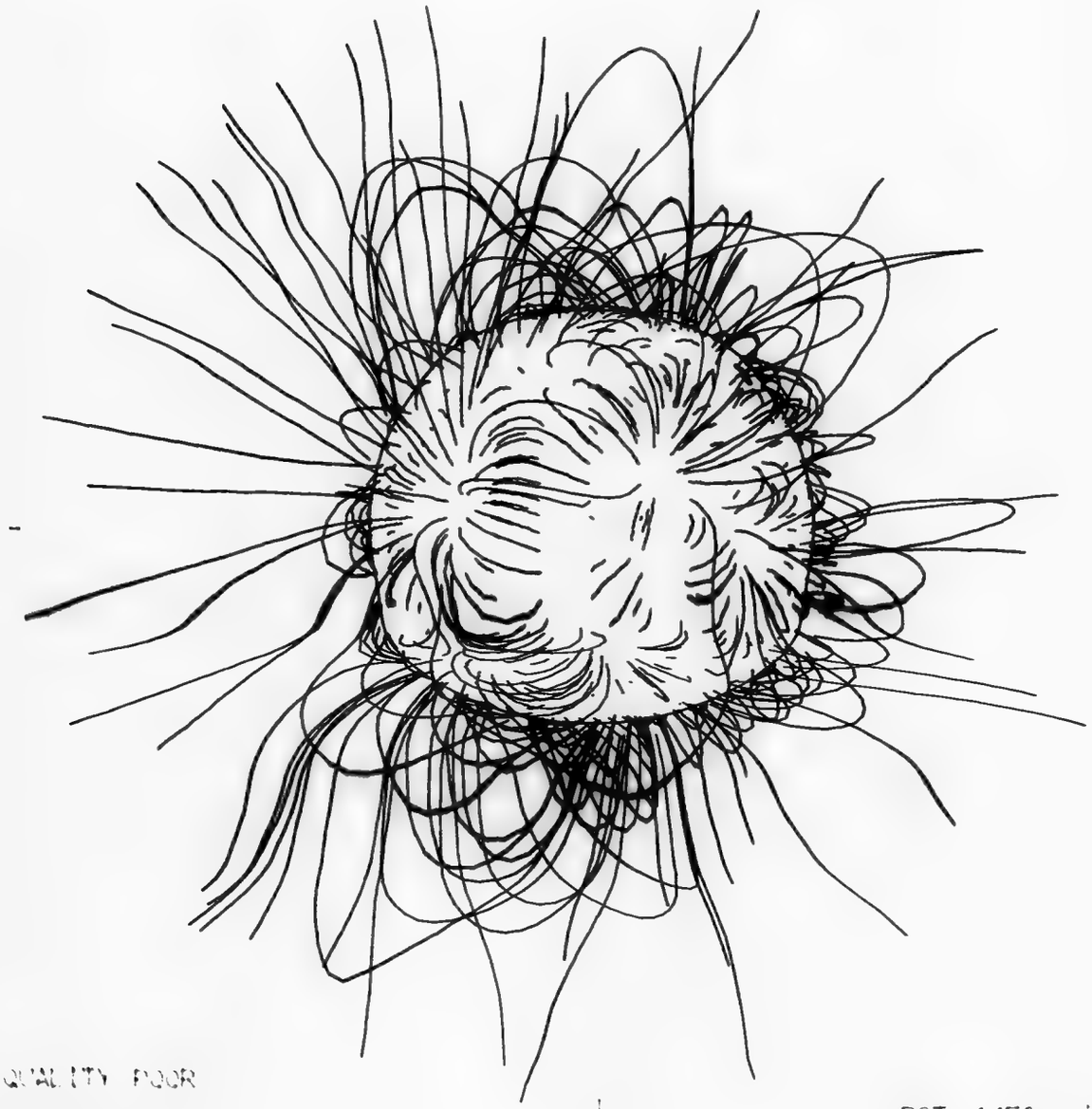
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

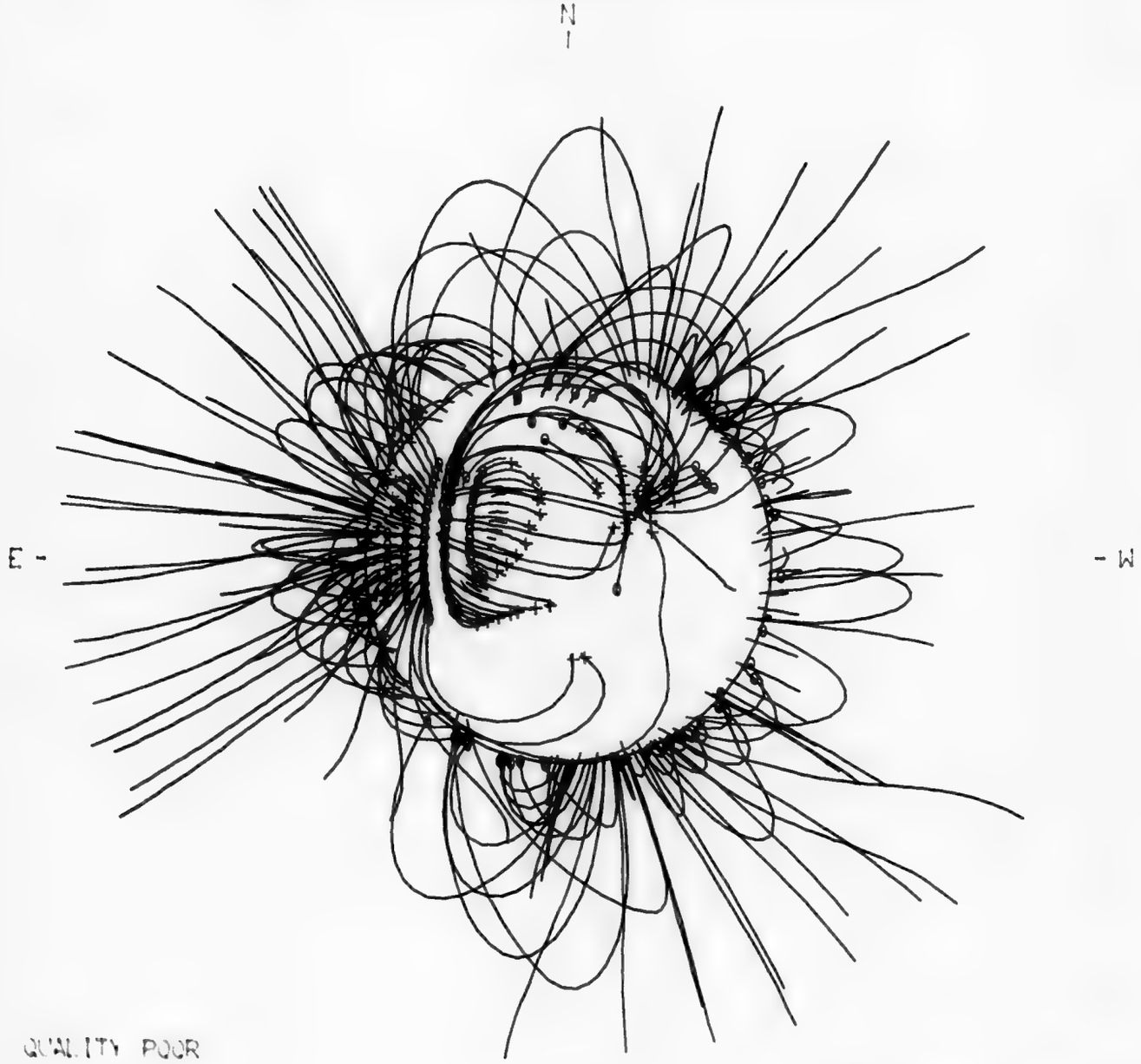
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 340°

26.4 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

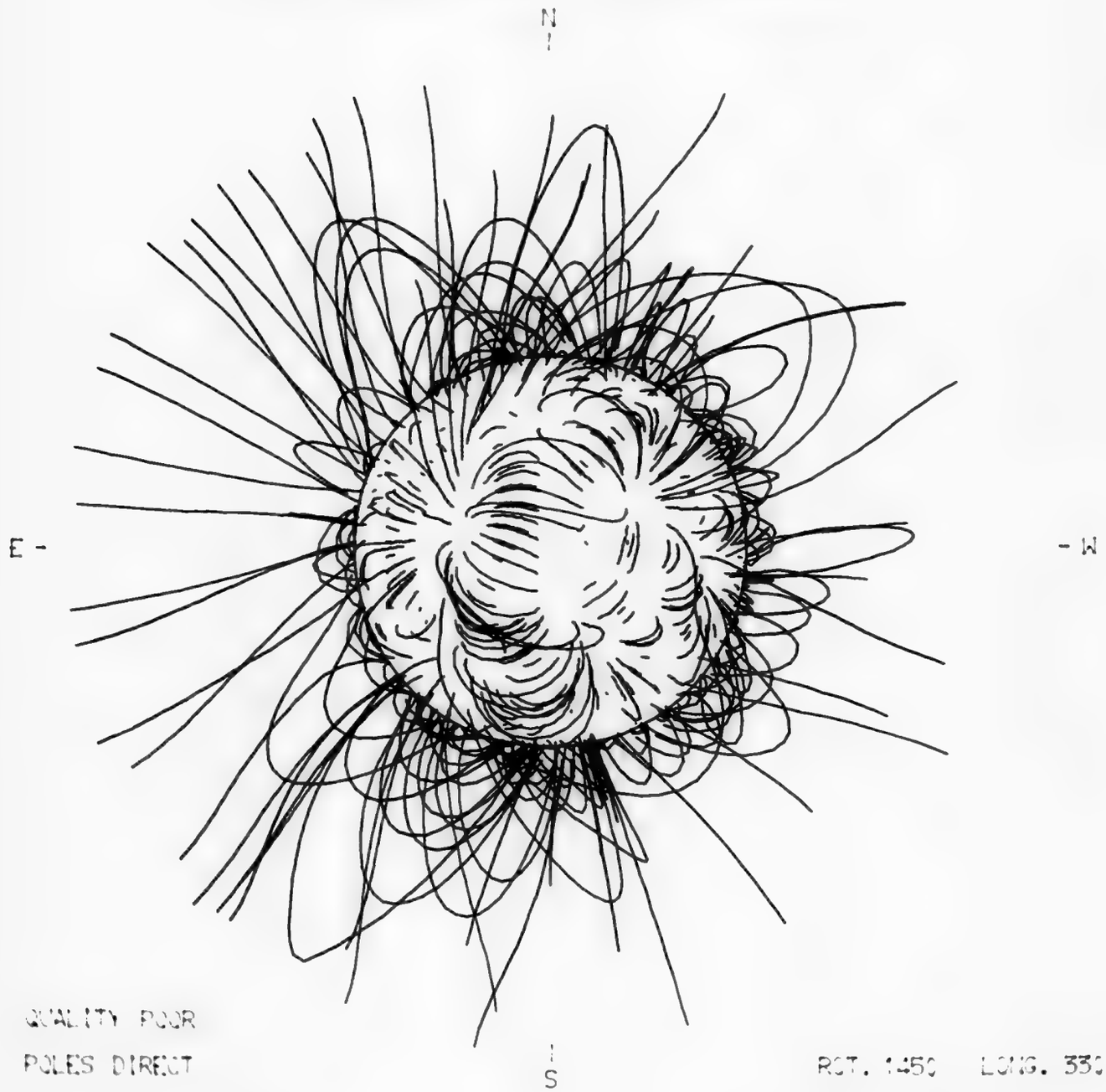
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 340°

26.4 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 330°

27.1 JAN. 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 330°

27.1 JAN 1962

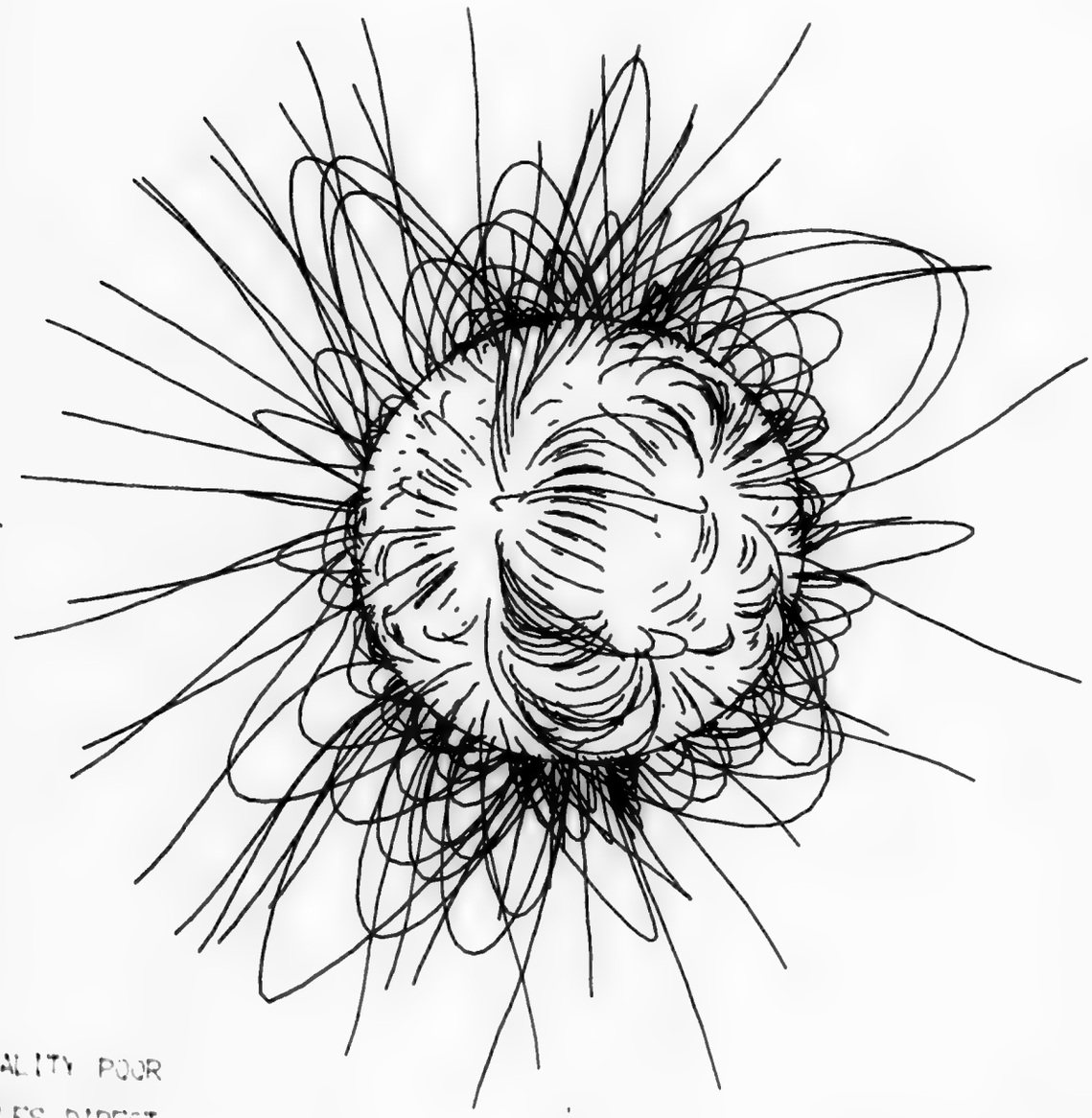
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

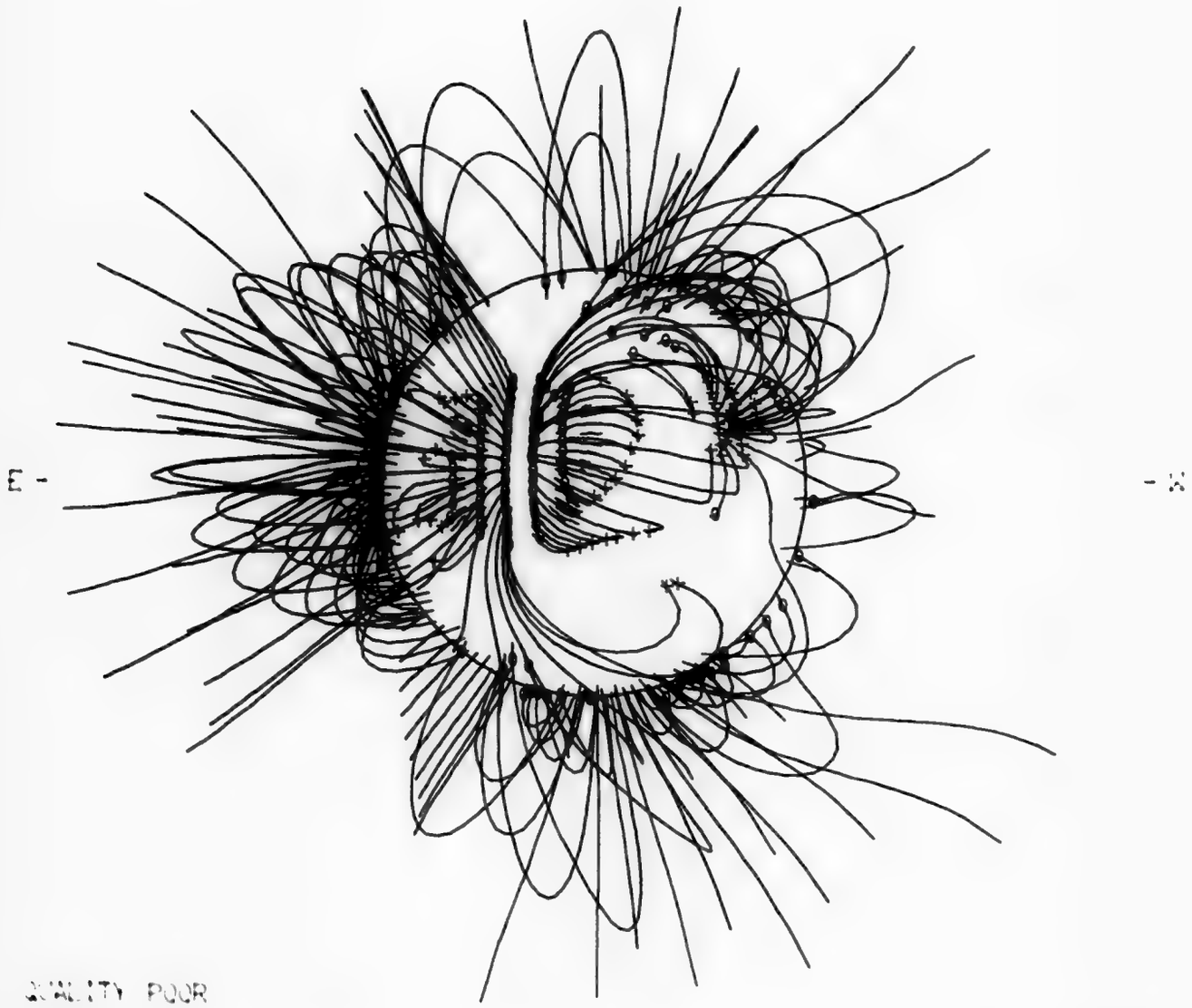
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 320°

27.9 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

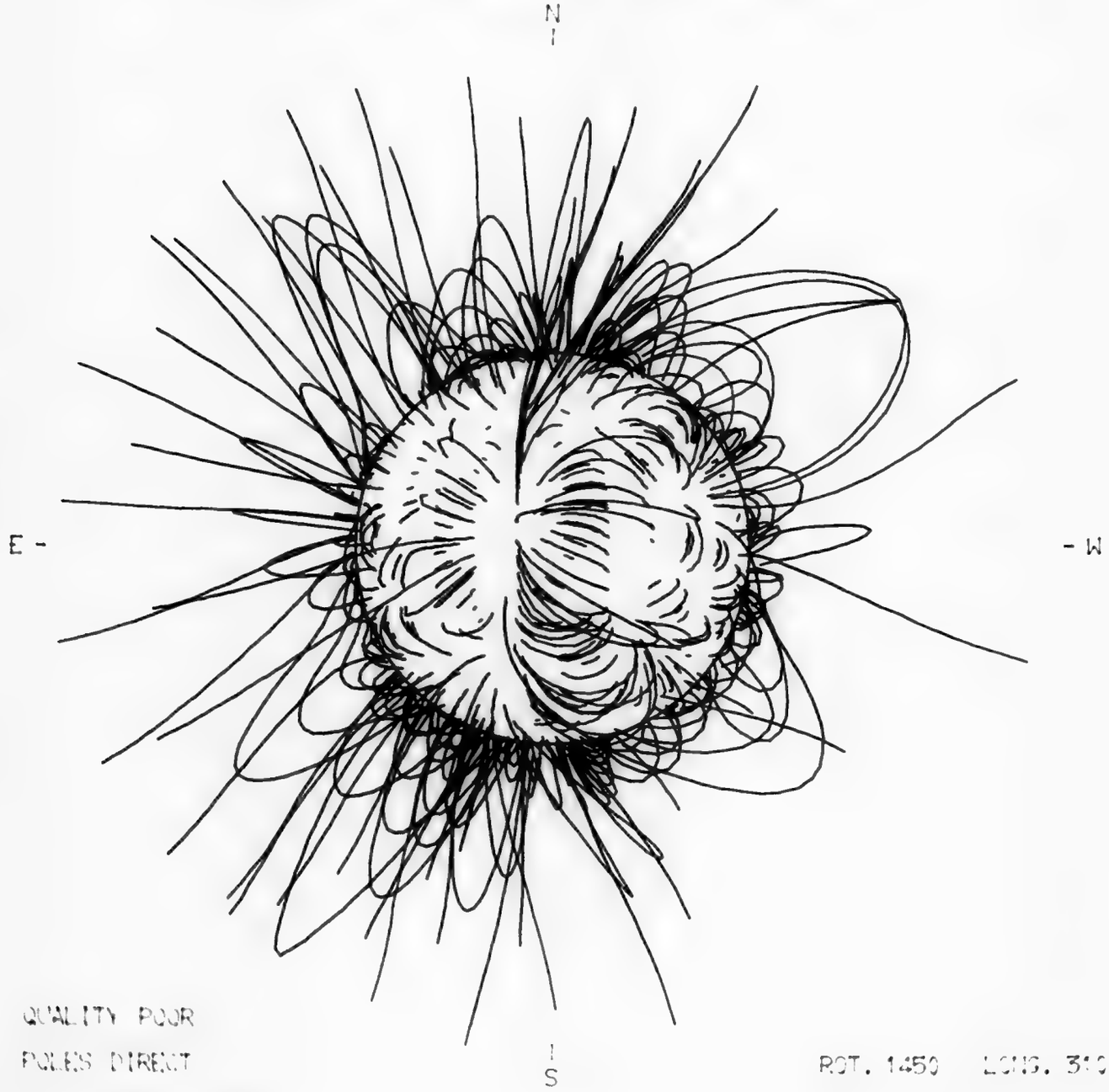
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 320°

27.9 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1350.00

ROT. 1450 LONG. 310°

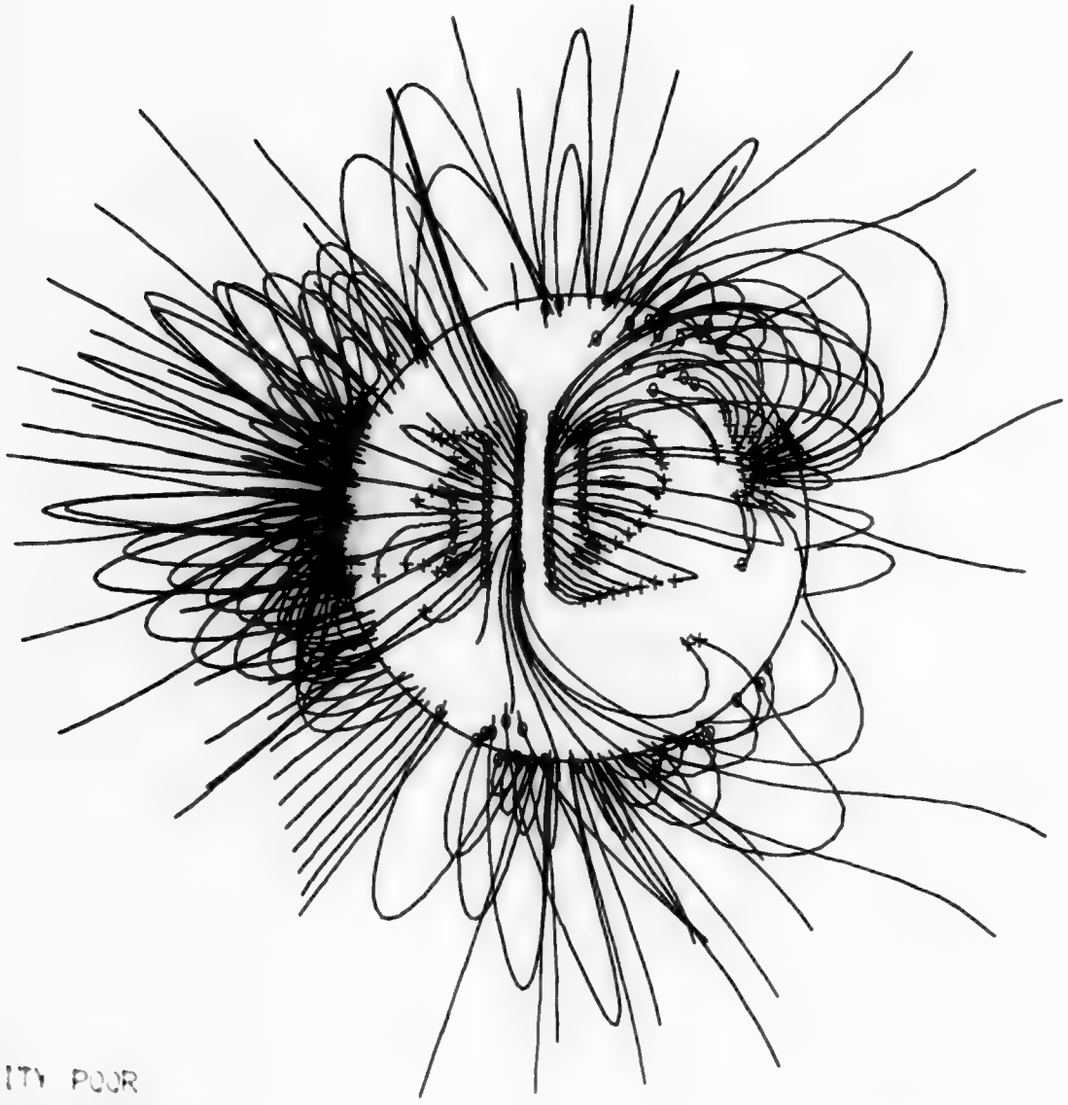
28.6 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

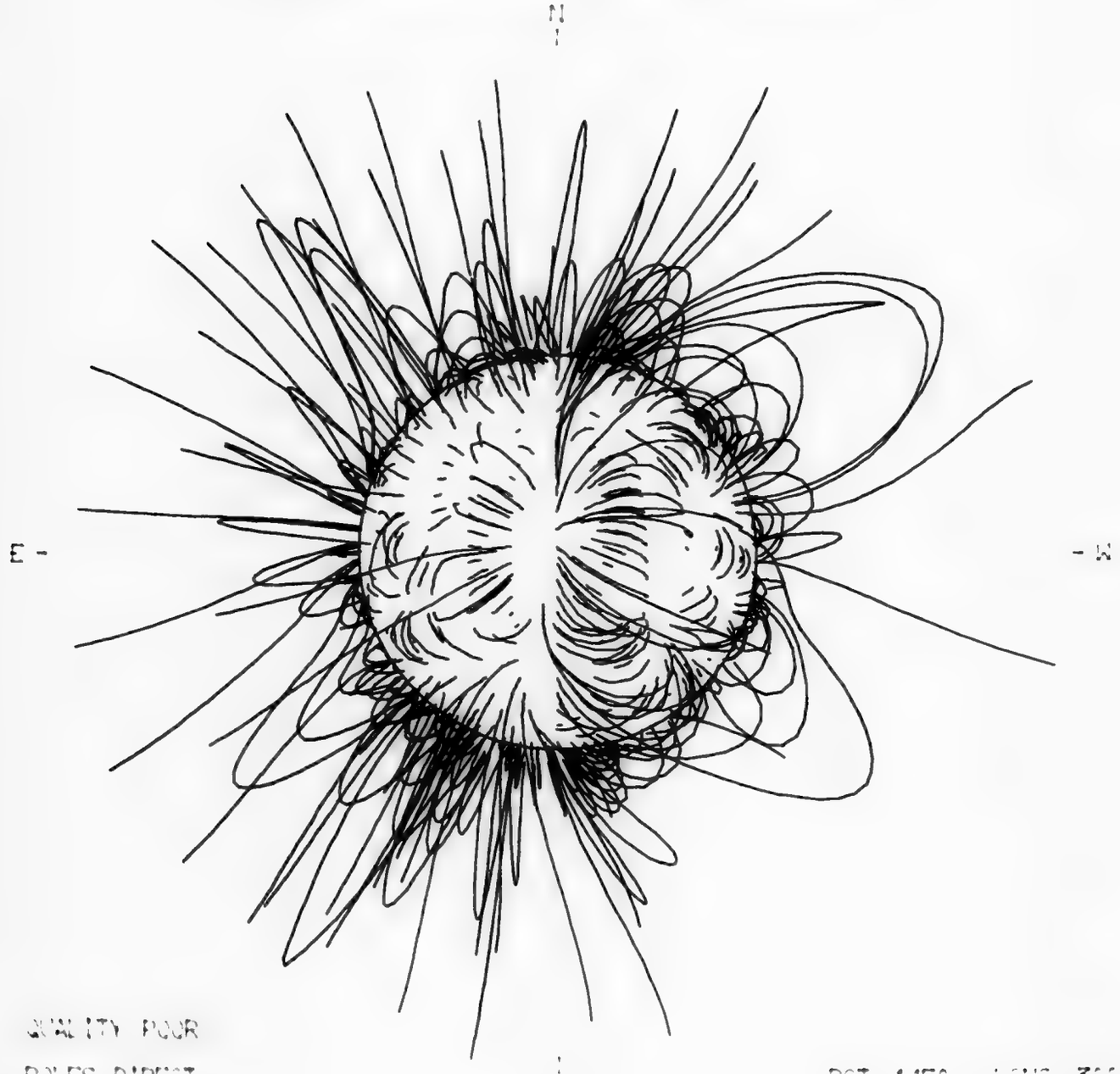
POLES DIRECT

DATA WINDOW 1.050.00

ROT. 1450 LONG. 3°0

28.6 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

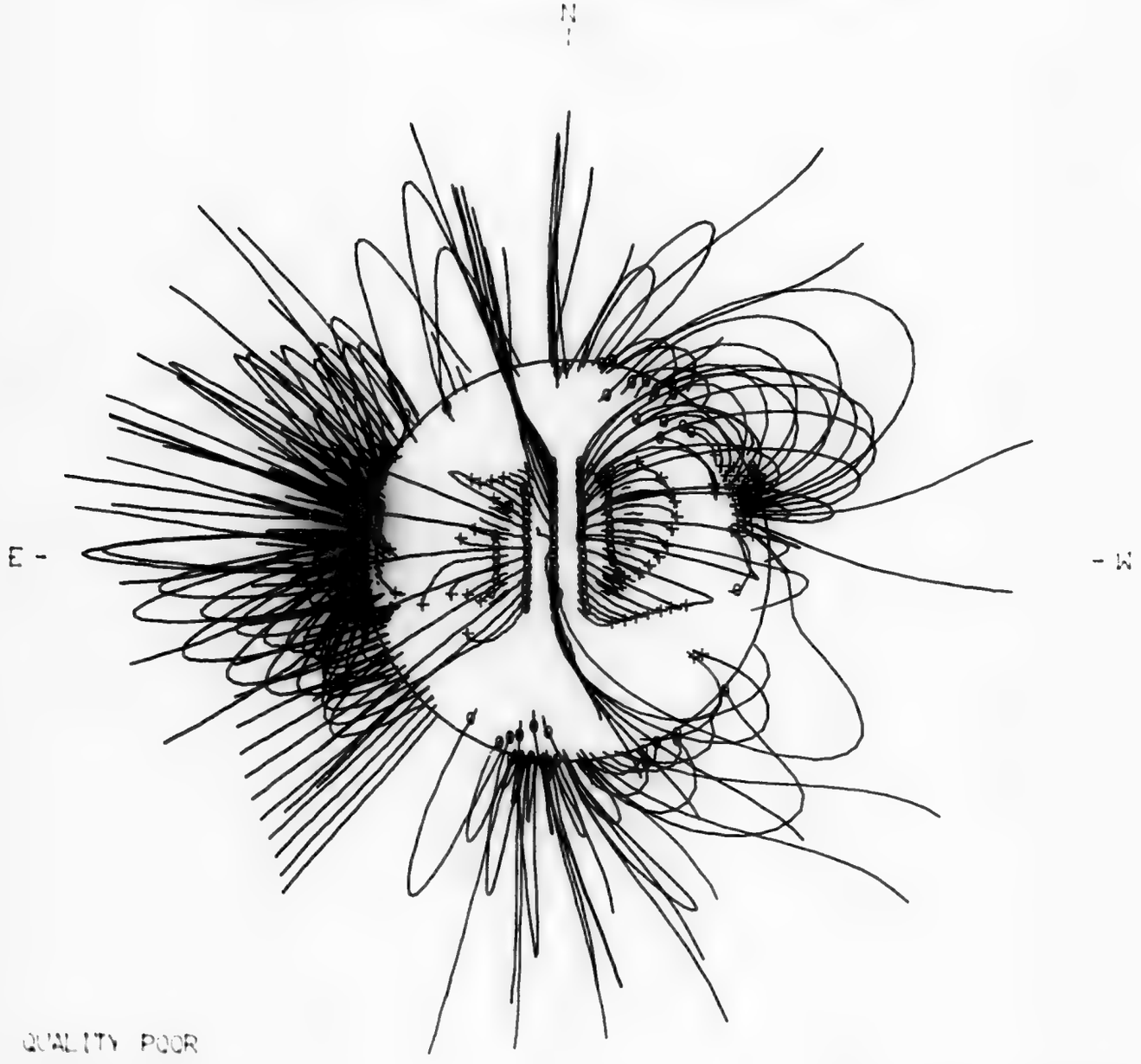
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 300°

29.4 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

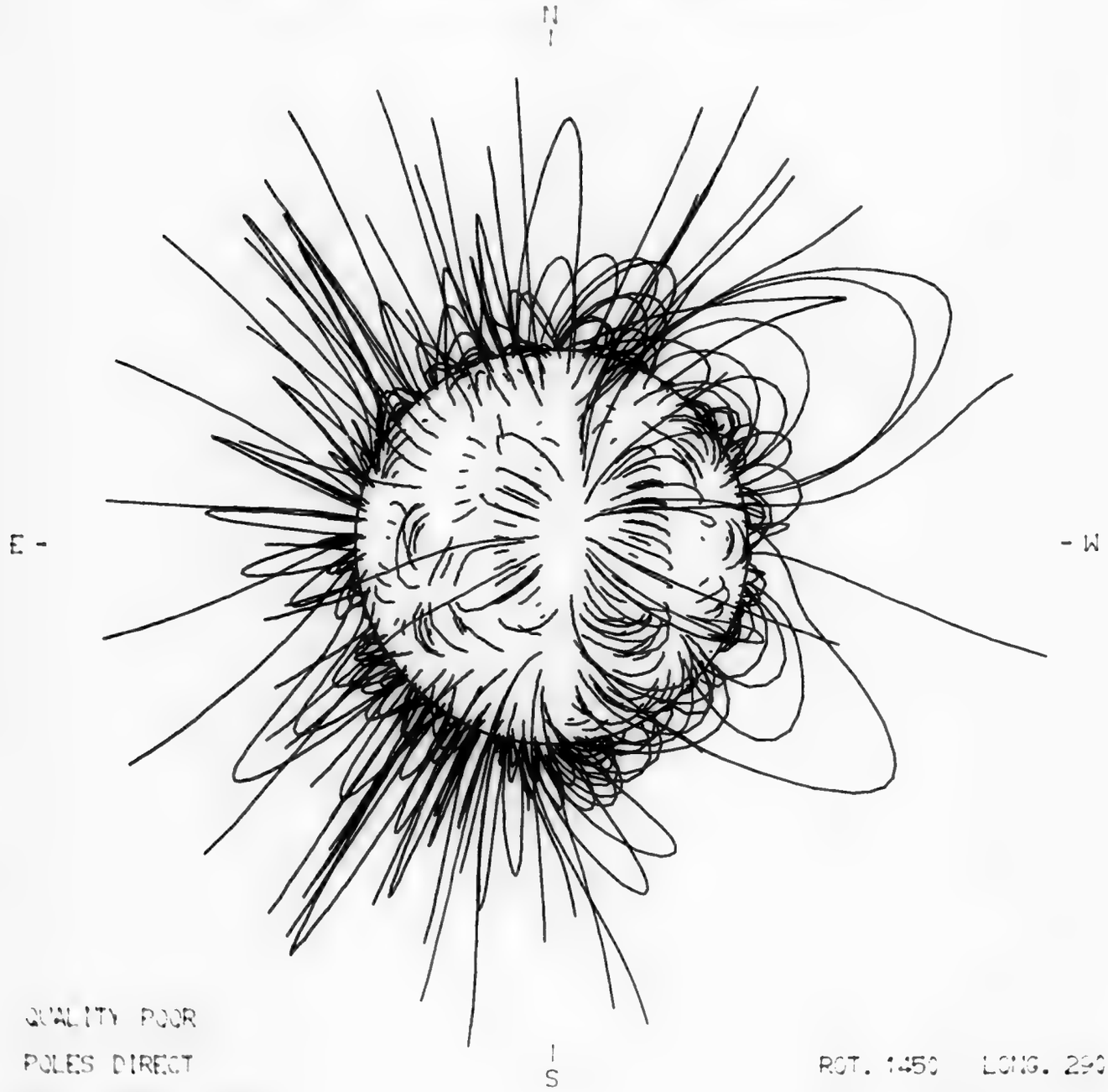
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 300°

29.4 JAN 1962

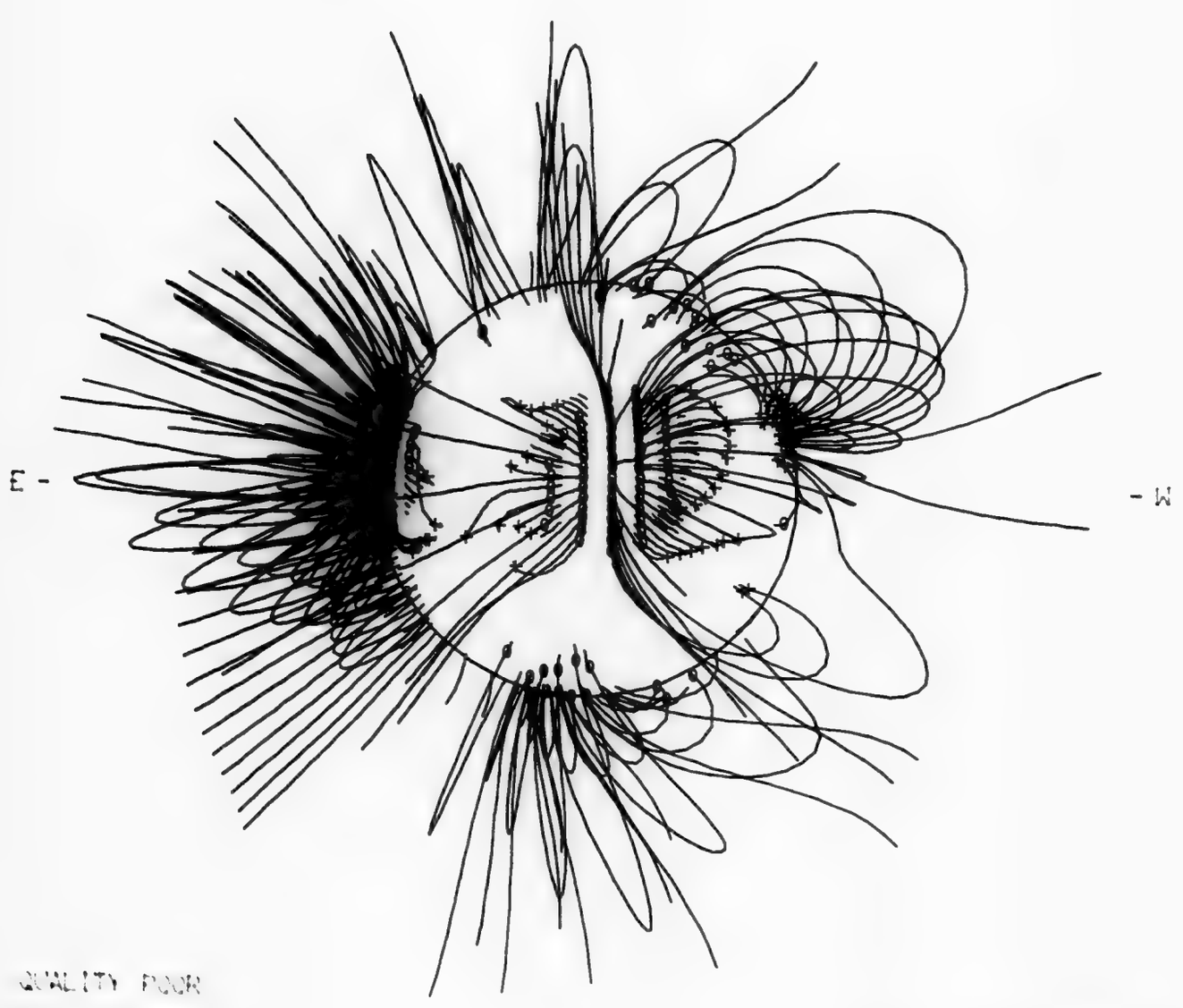
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1350.00

ROT. 1450 LONG. 290°
30.1 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

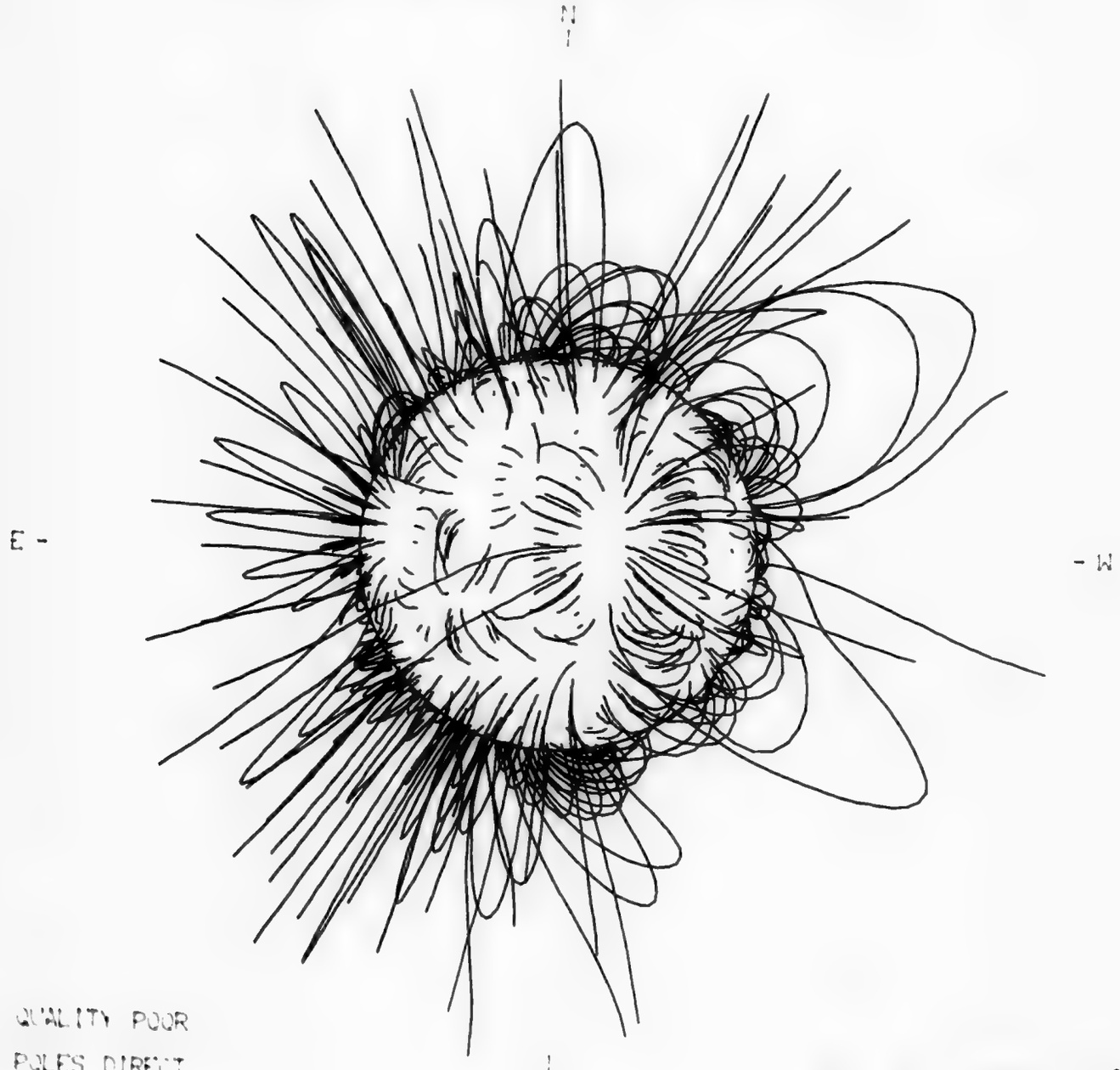
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 240°

30.1 JAN. 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

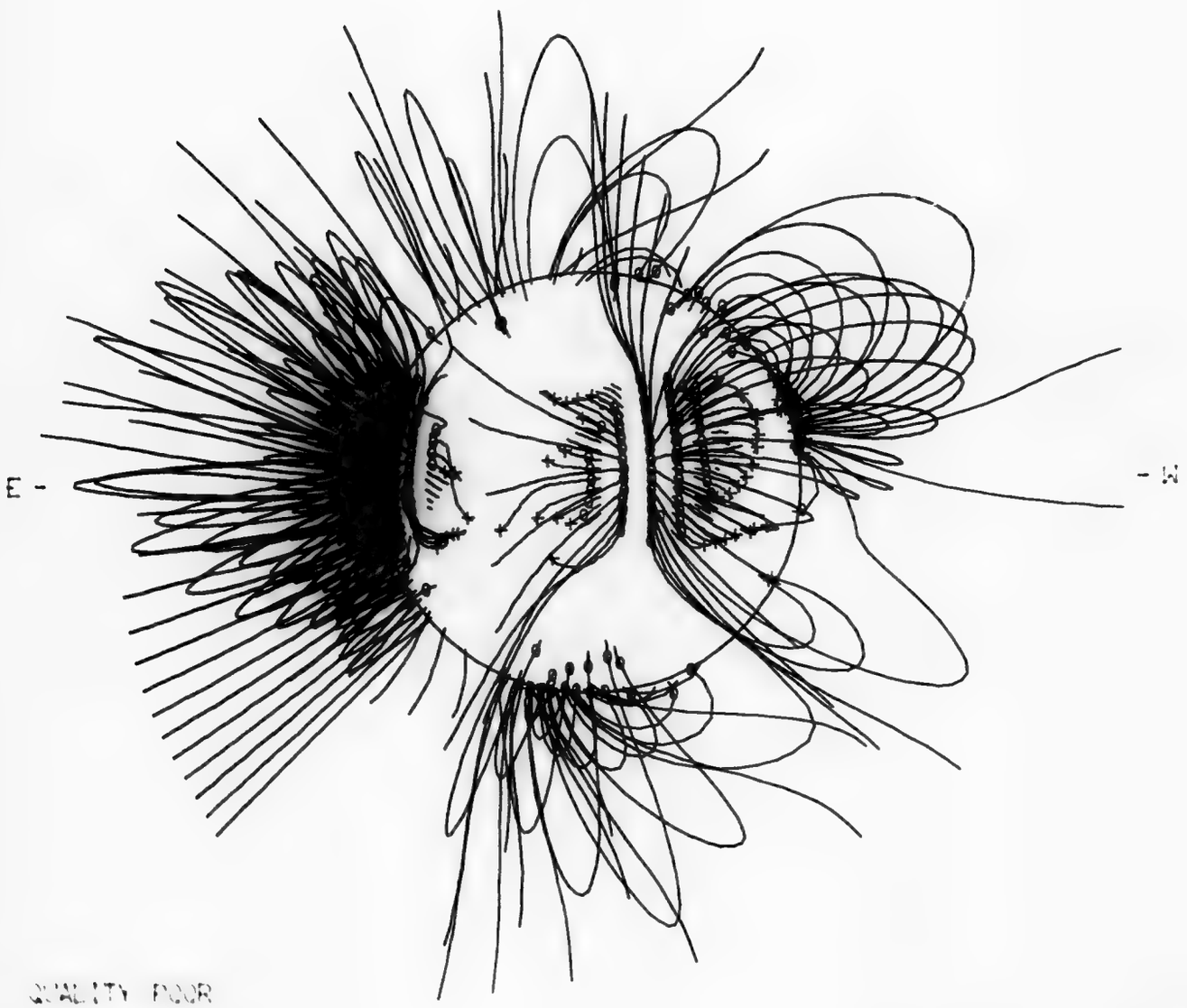
POLES DIRECT

DATA WINDOW 1.350.00

ROT. 1450 LONG. 280°

30.9 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

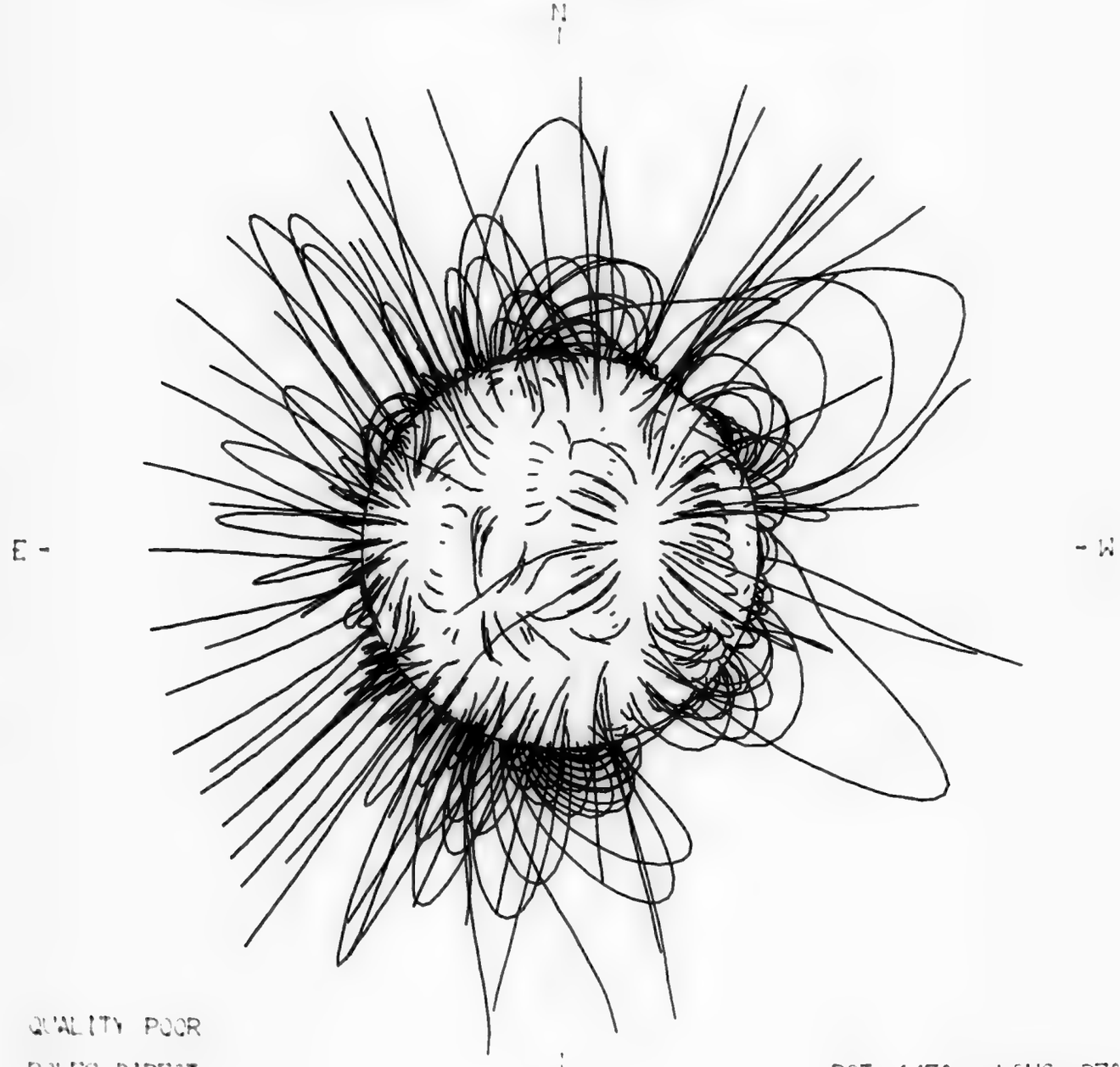
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 280°

30.9 JAN. 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

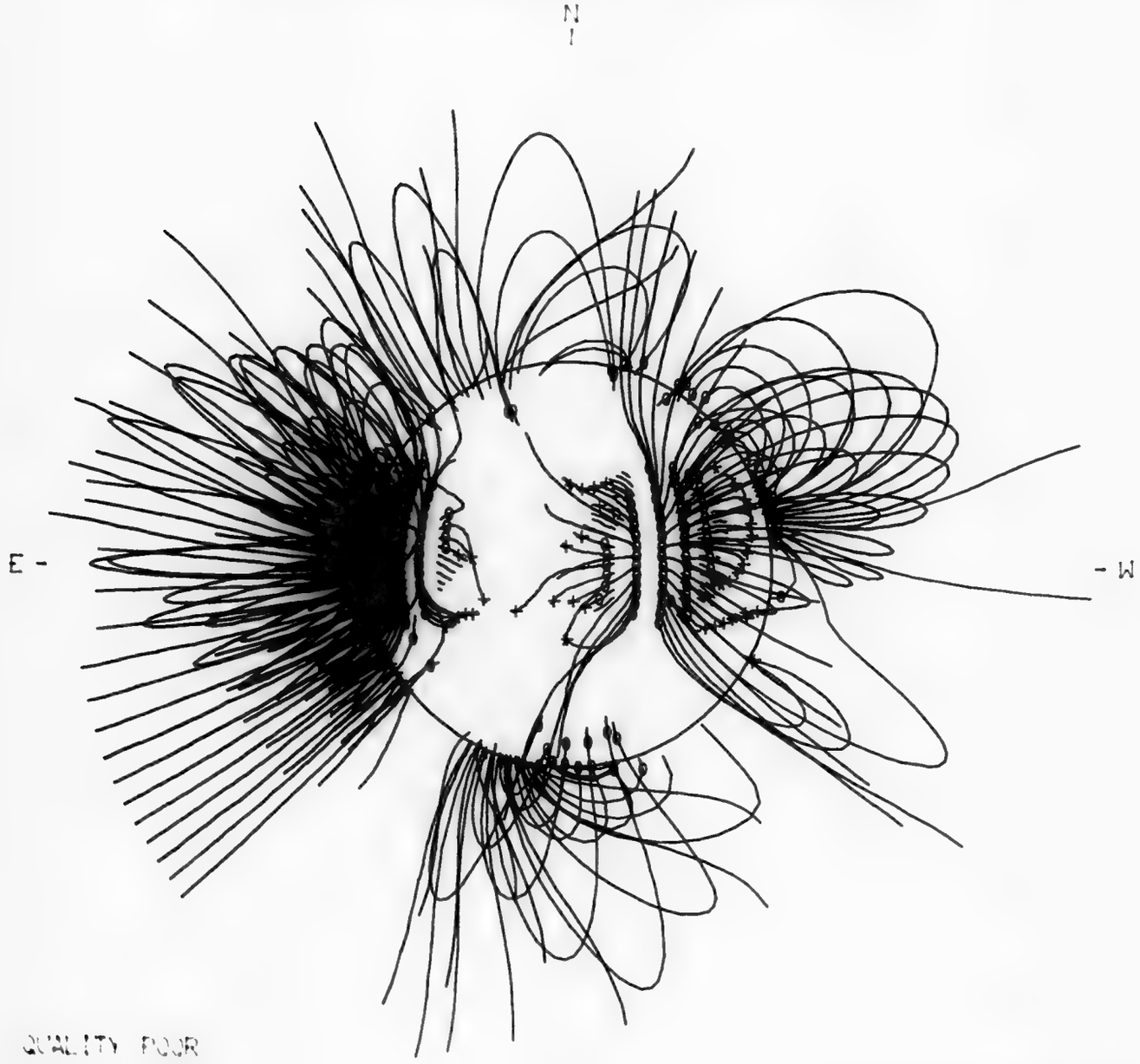
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 270°

31.7 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

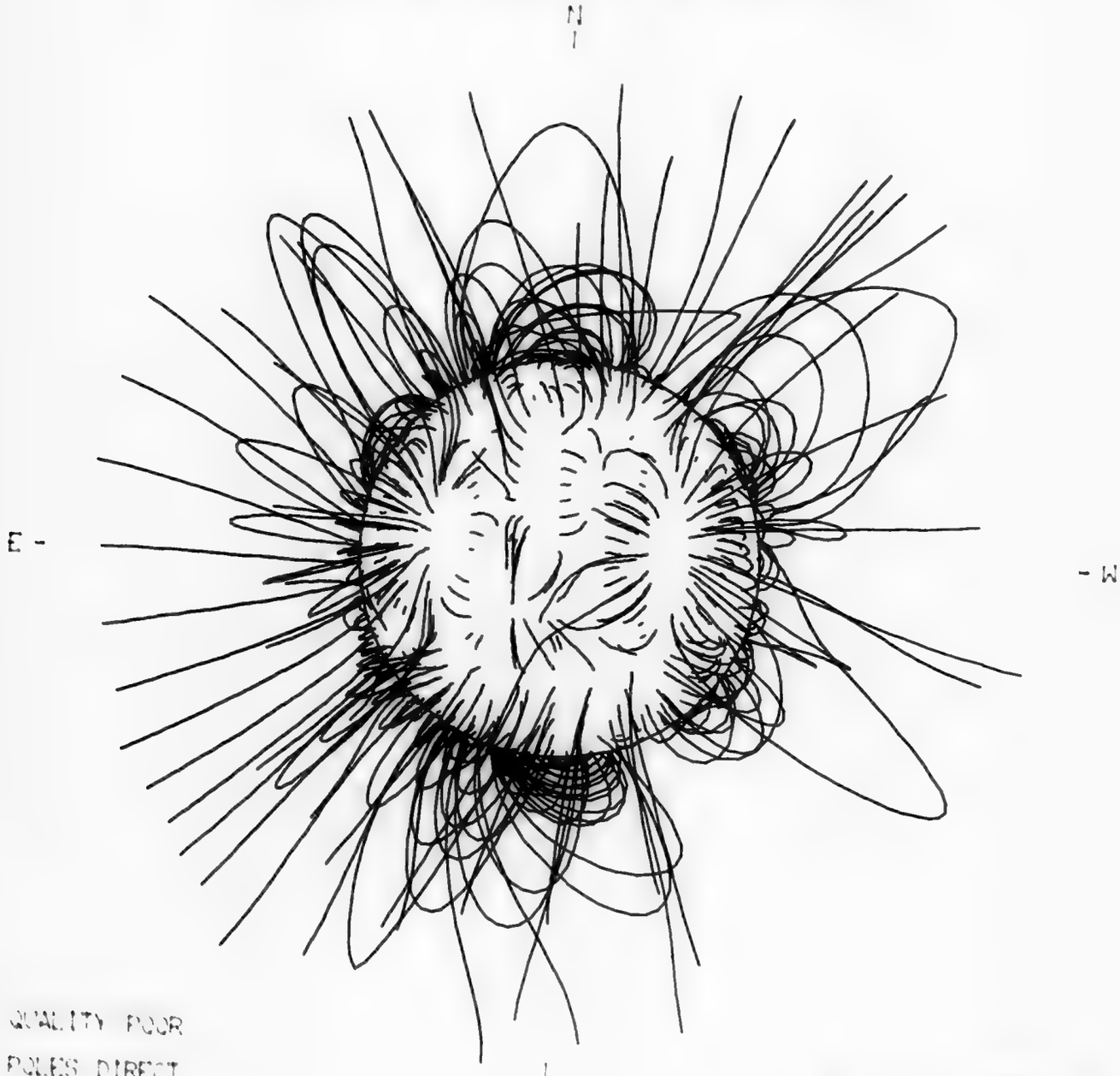
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 270°

31.7 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

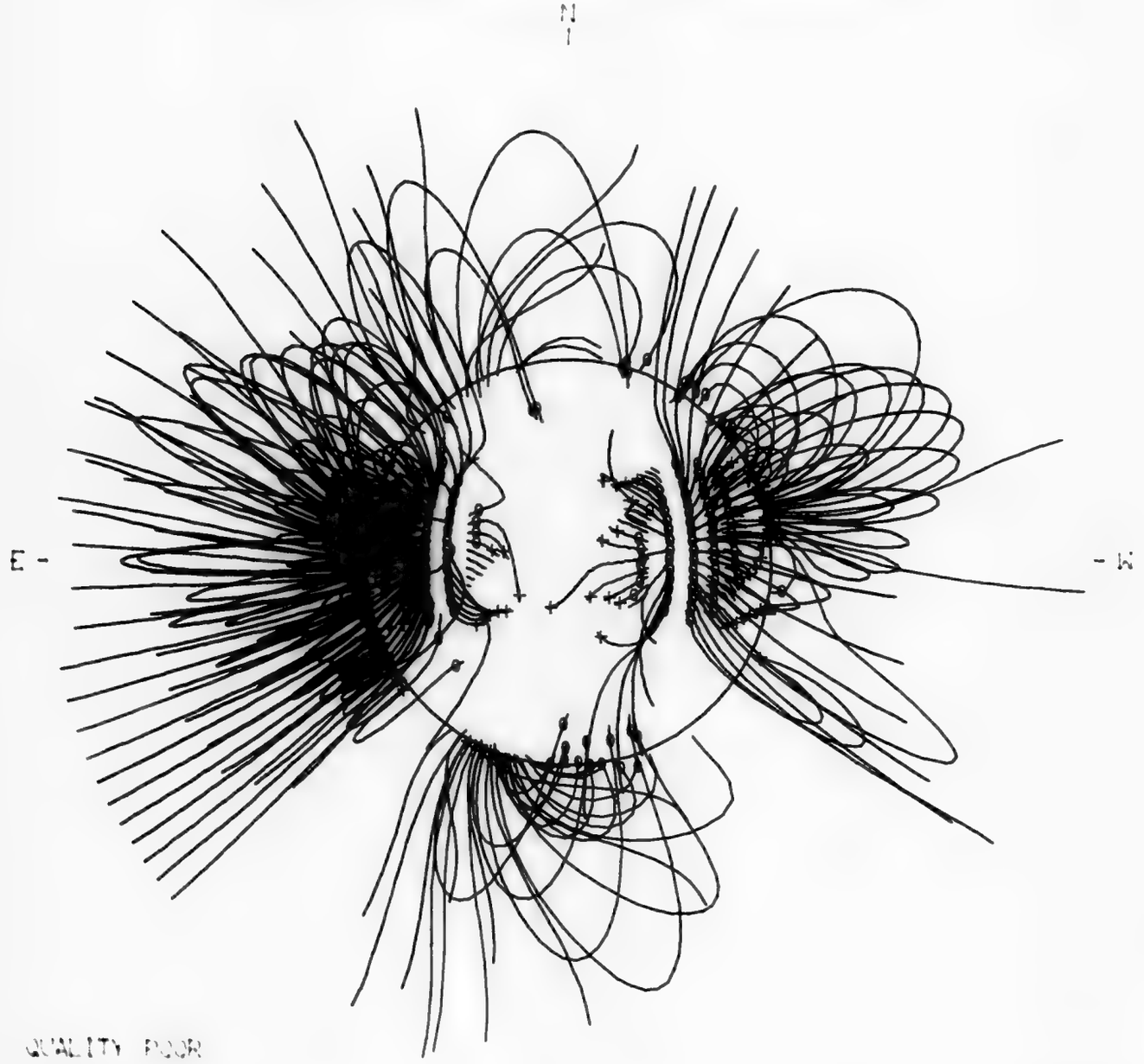
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 260°

14 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

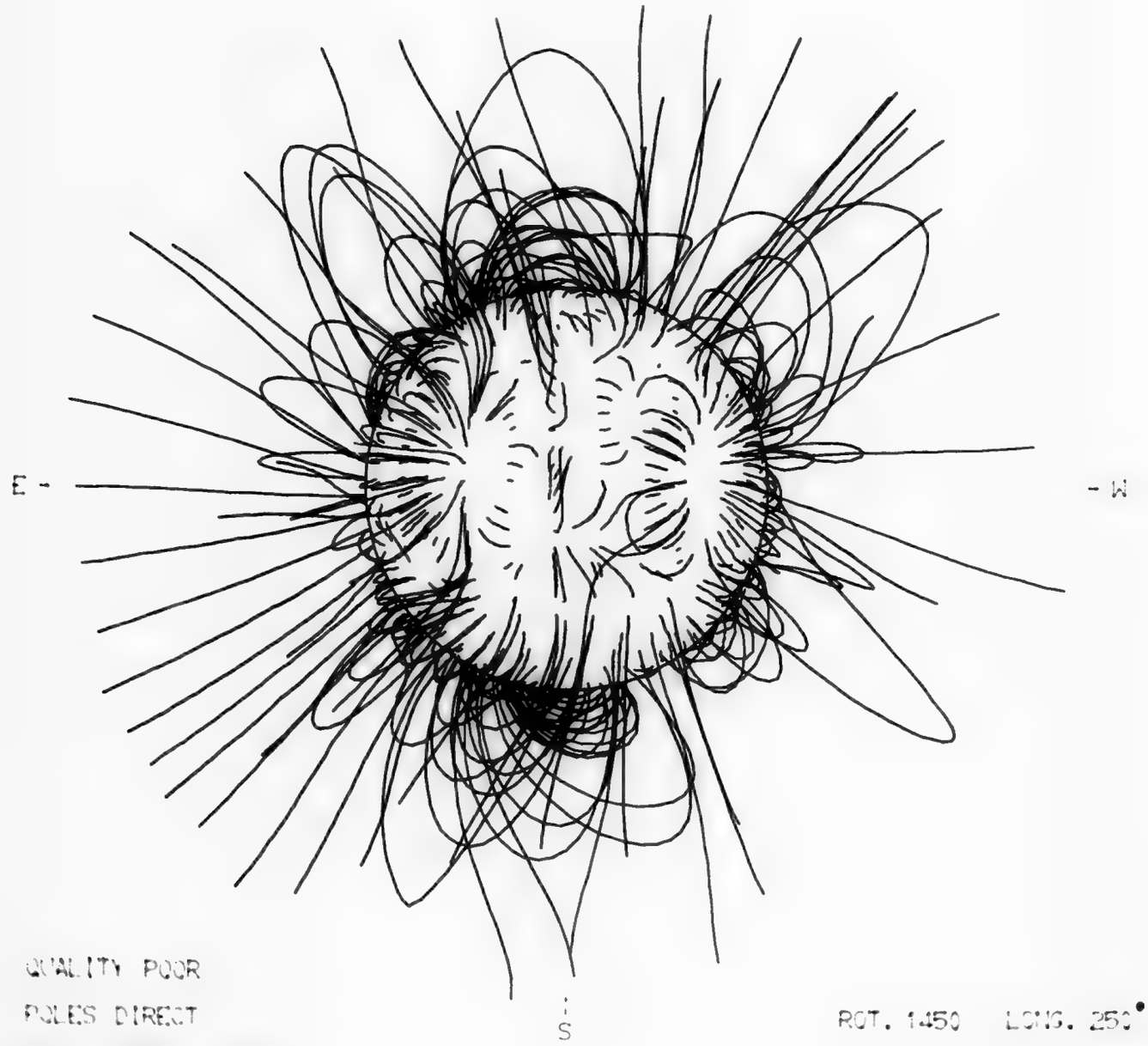
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 260°

14 FEB 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

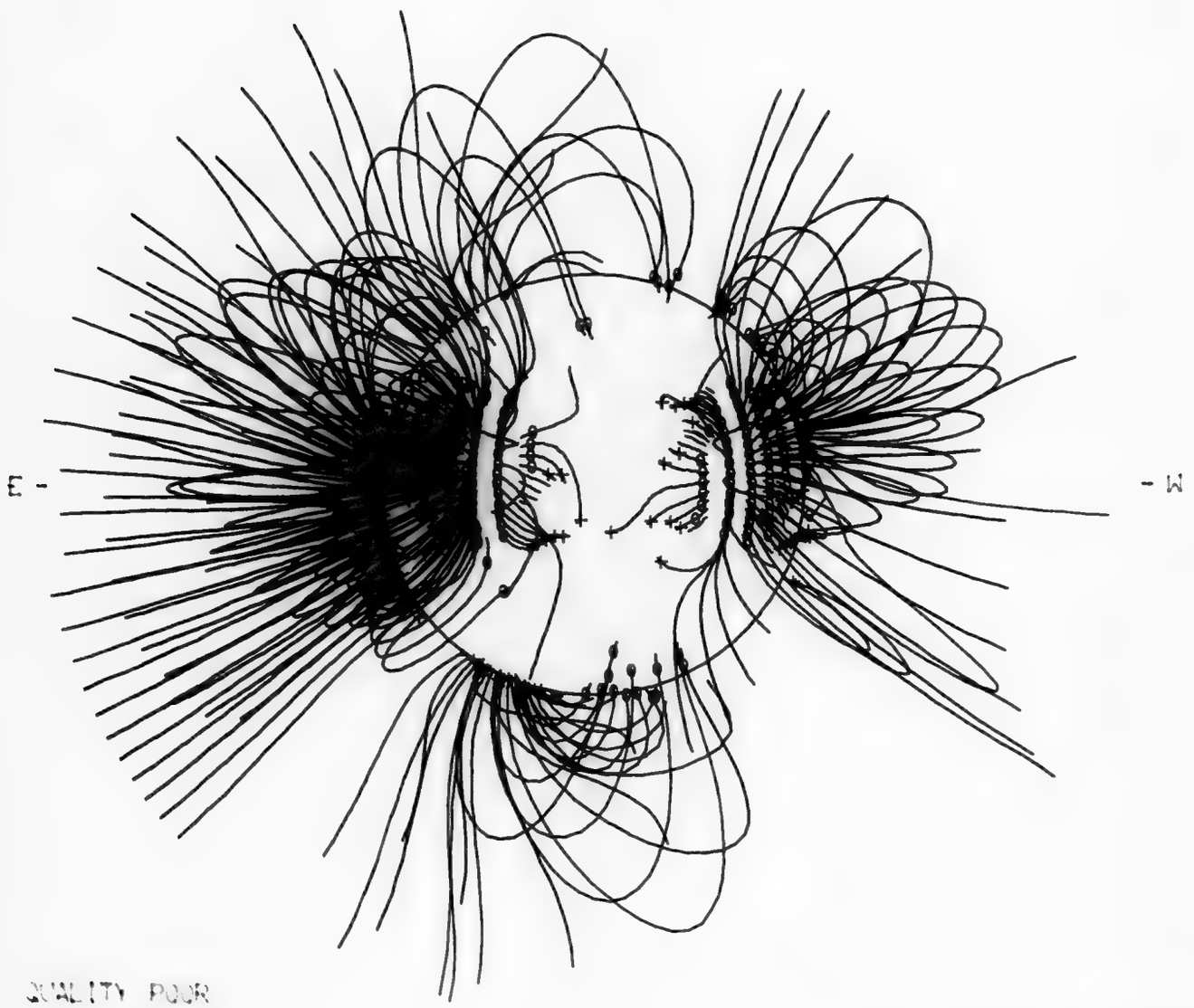
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 250°

2.2 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

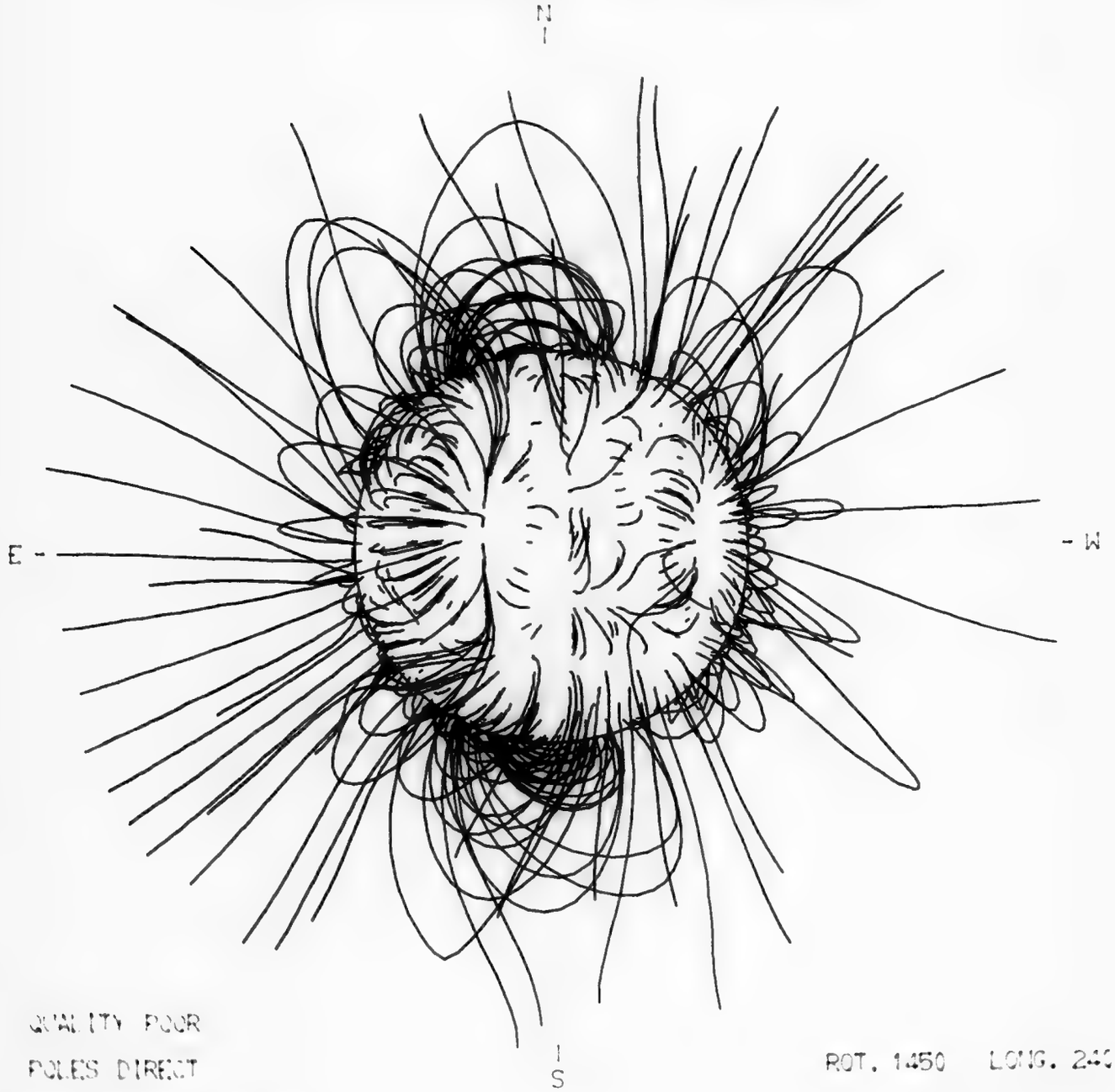
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 250°

2.2 FEB 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 240°

29 FEB 1962

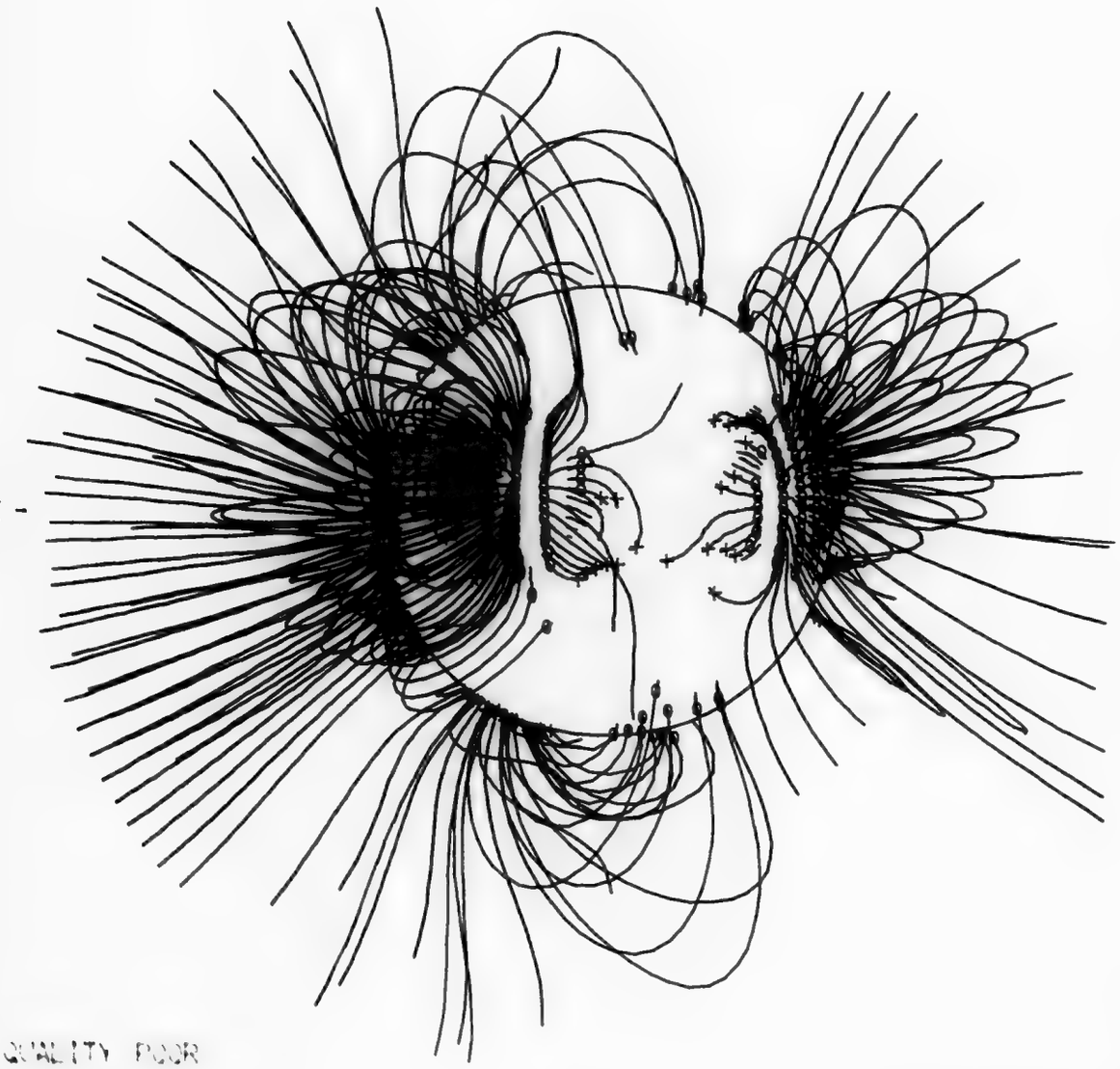
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

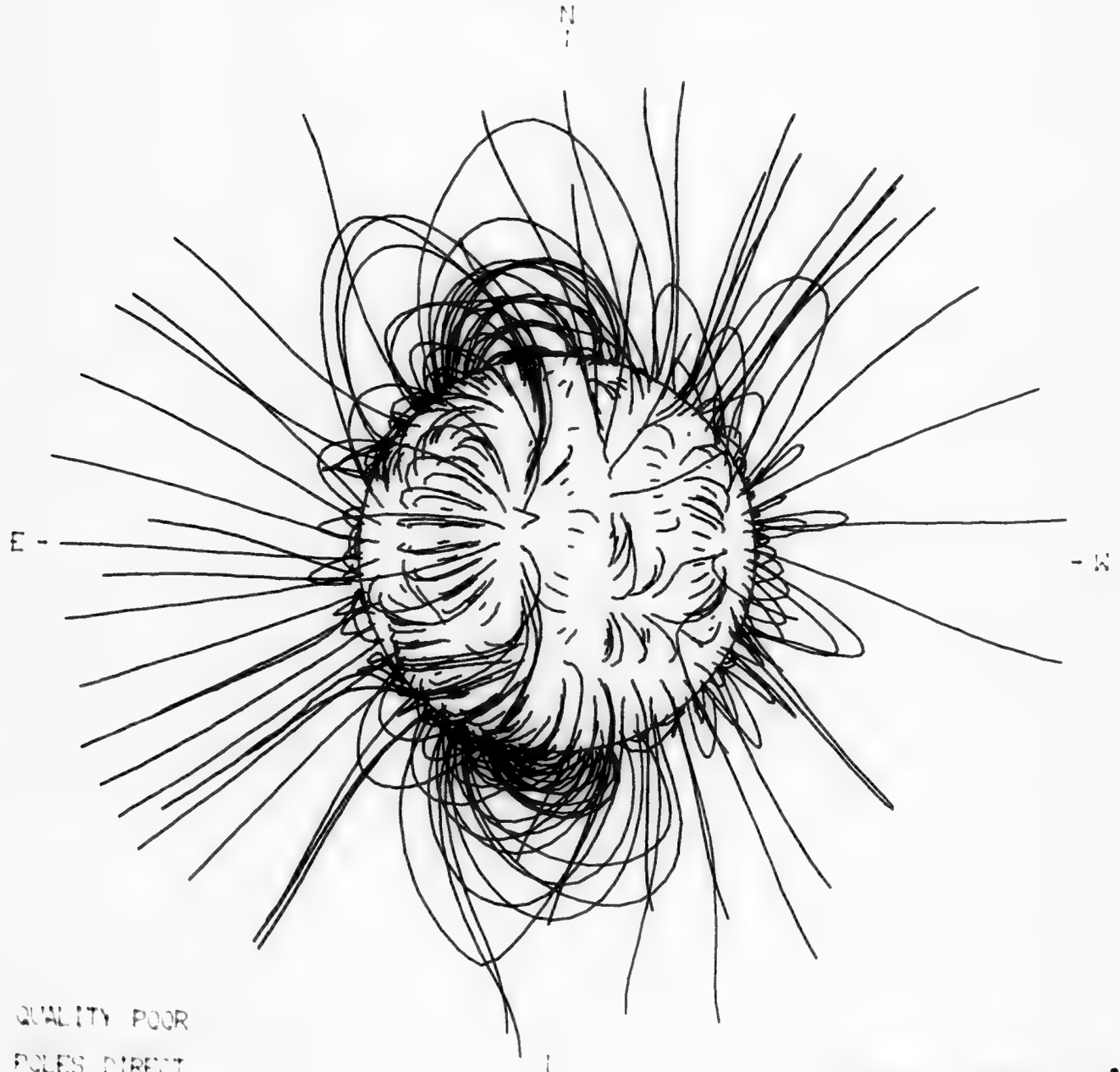
POLES DIRECT

DATA WINDOW 1350.00

ROT. 1450 LONG. 240°

29 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

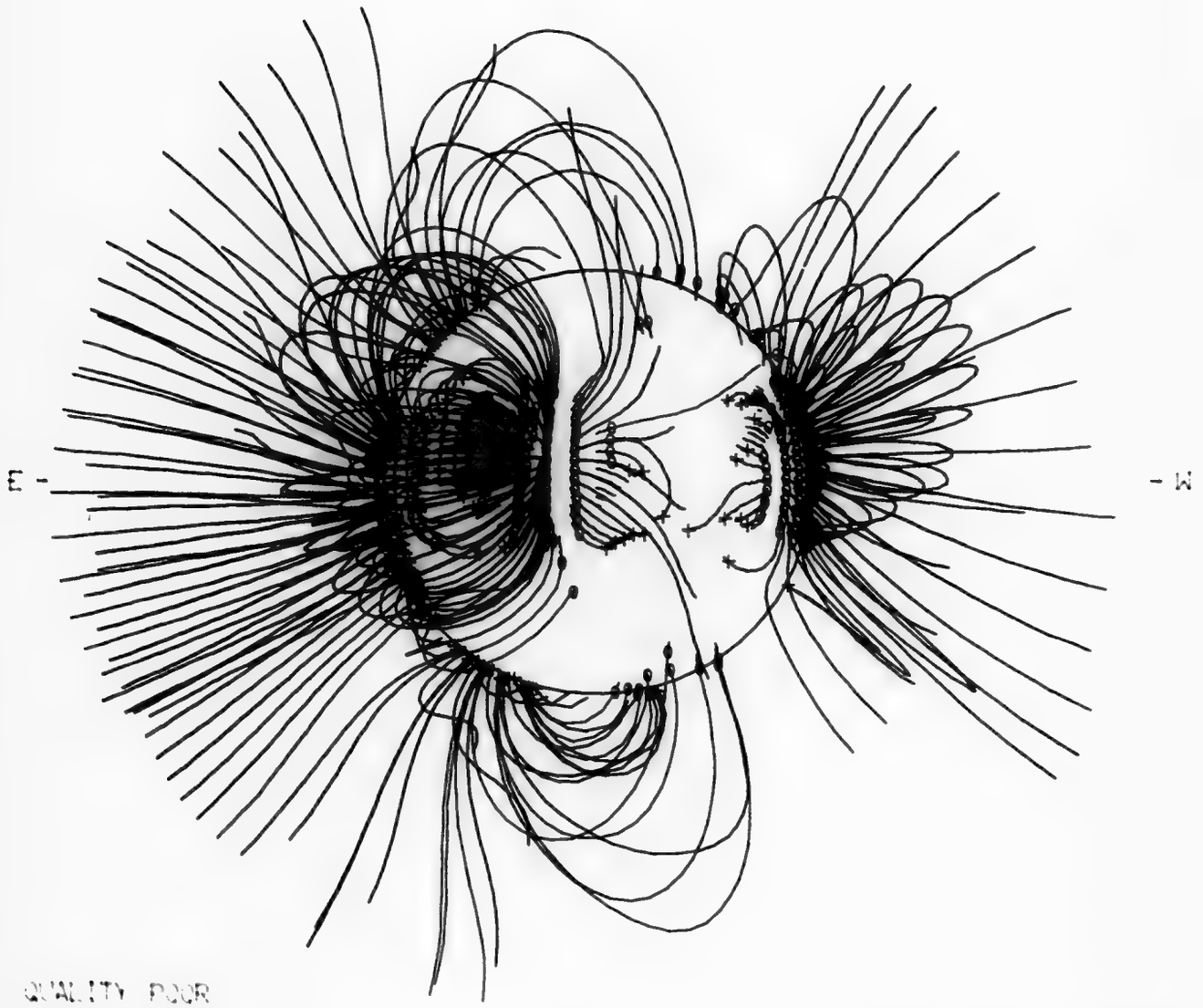
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 230°

3.7 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

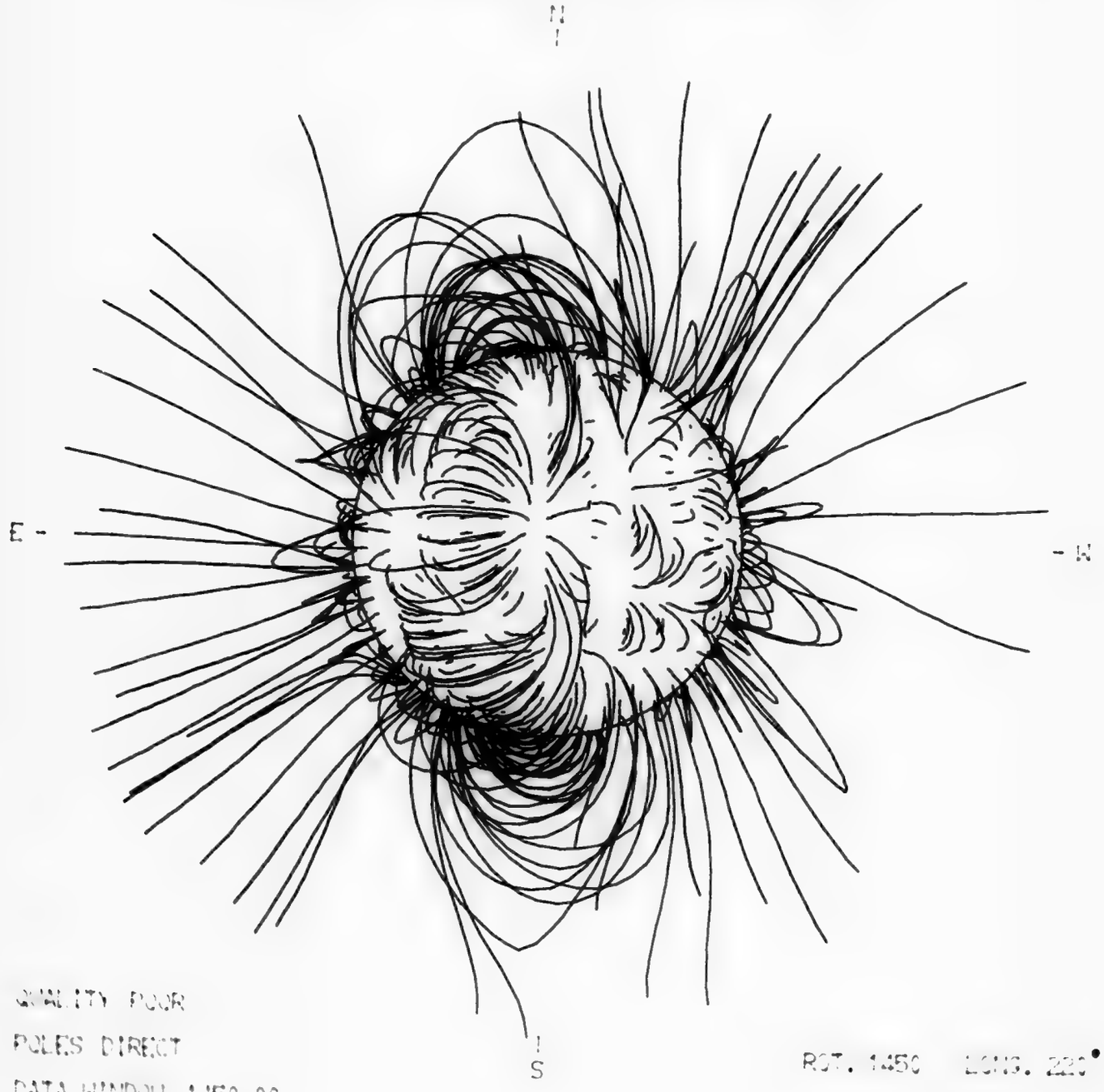
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 230°

5.7 FEB 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

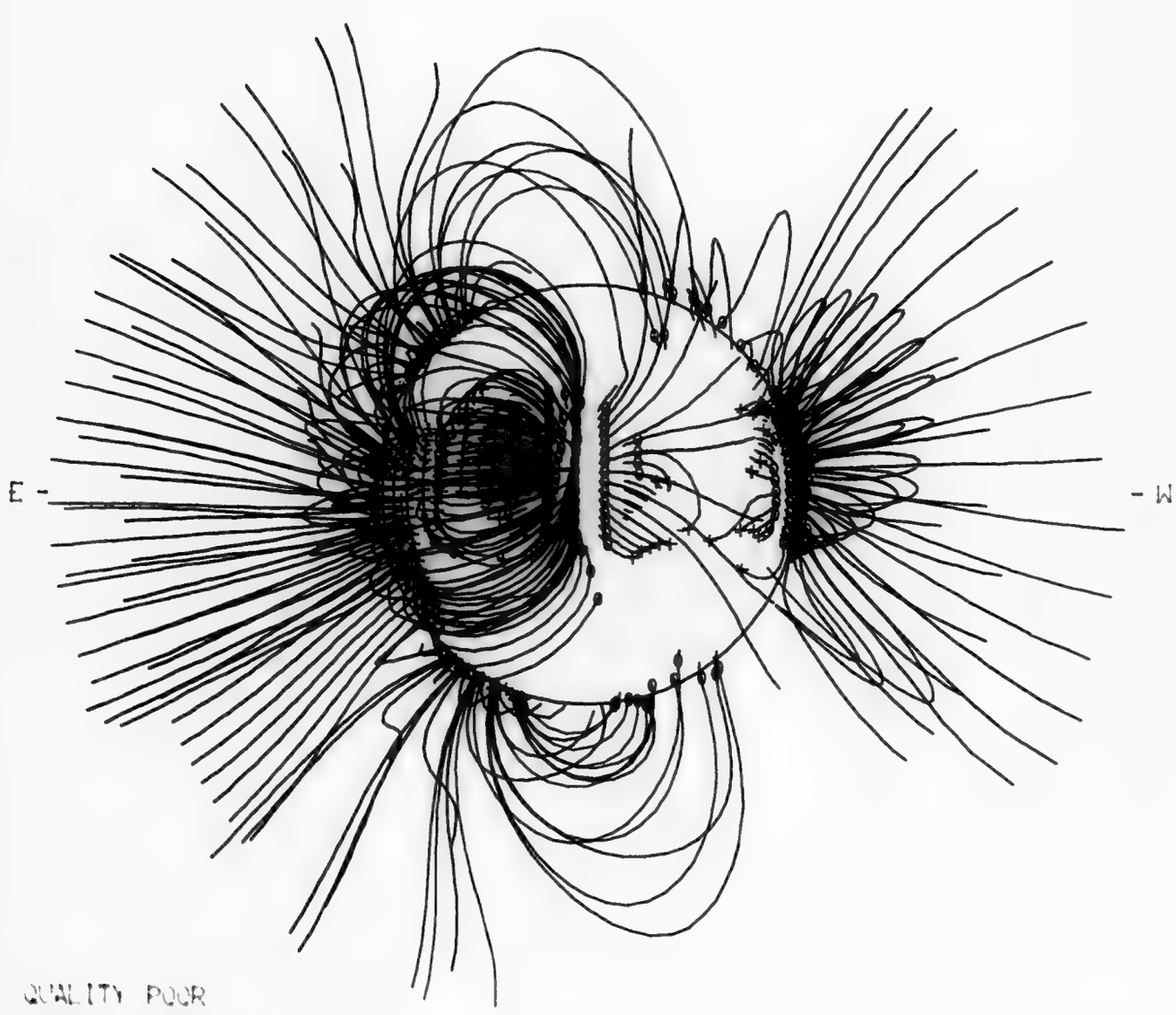
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 220°

4.4 FEB 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

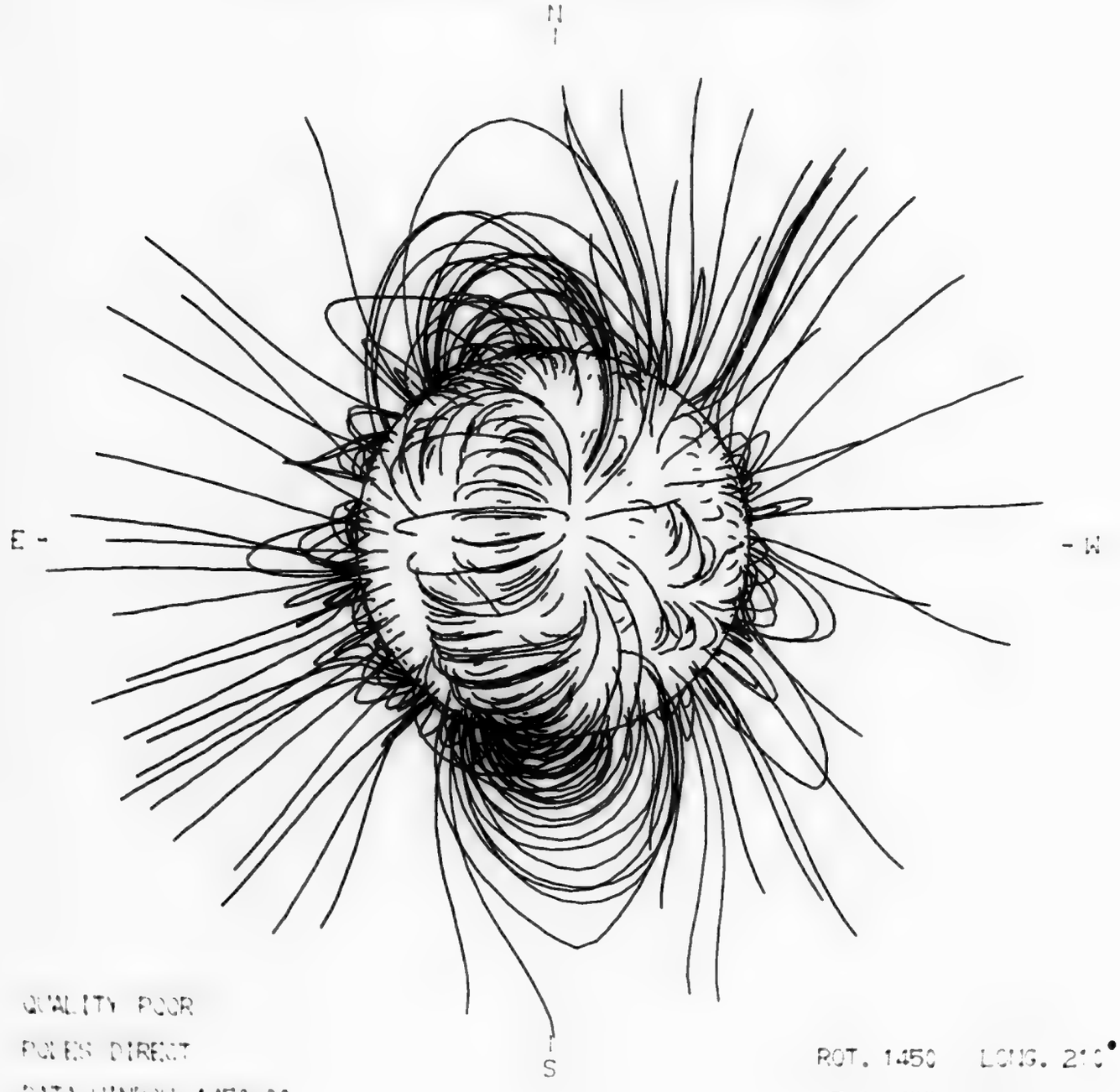
POLES DIRECT

DATA WINDOW 1.050.00

ROT. 1450 LONG. 220°

4.4 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

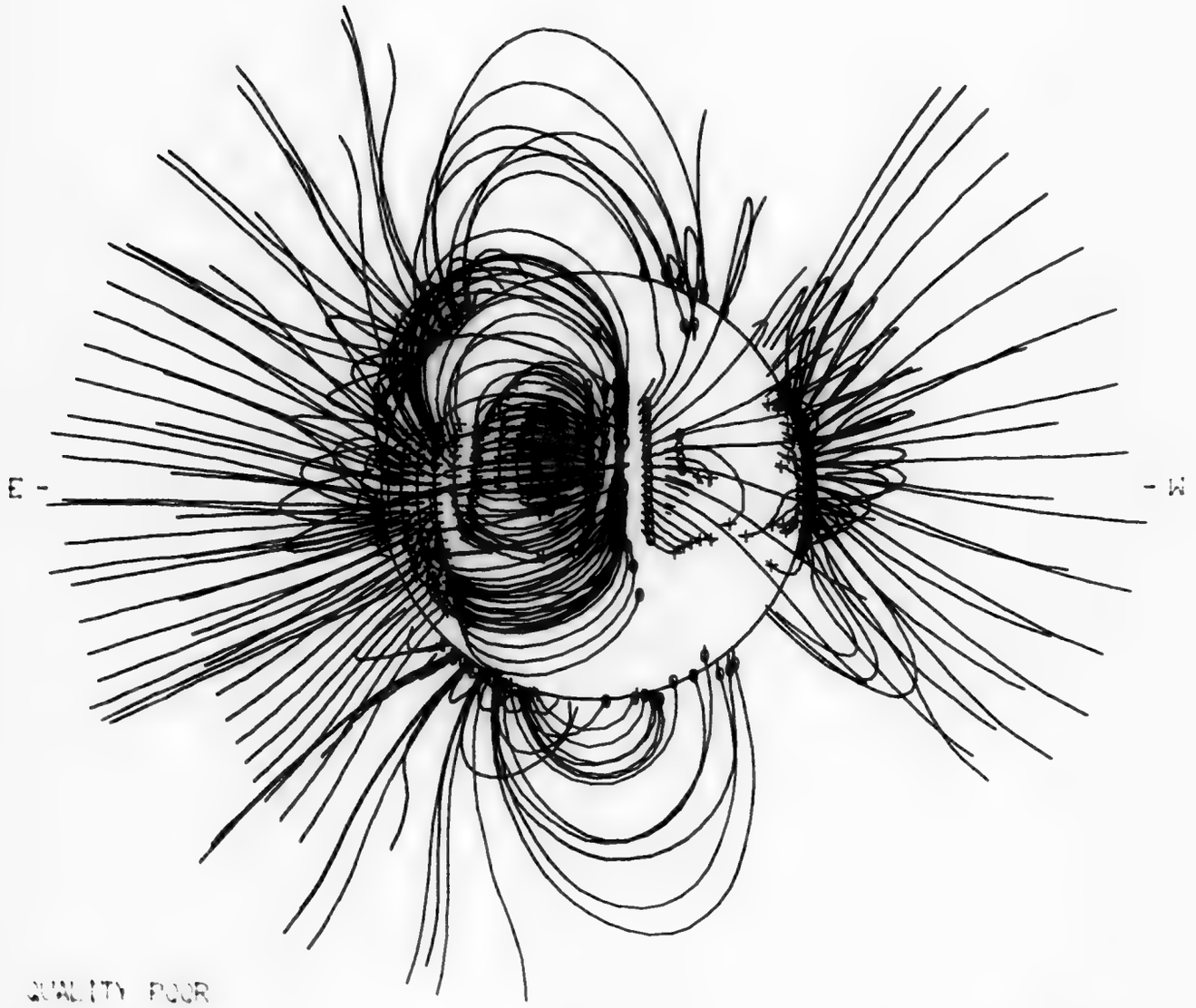
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 21°

5.2 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

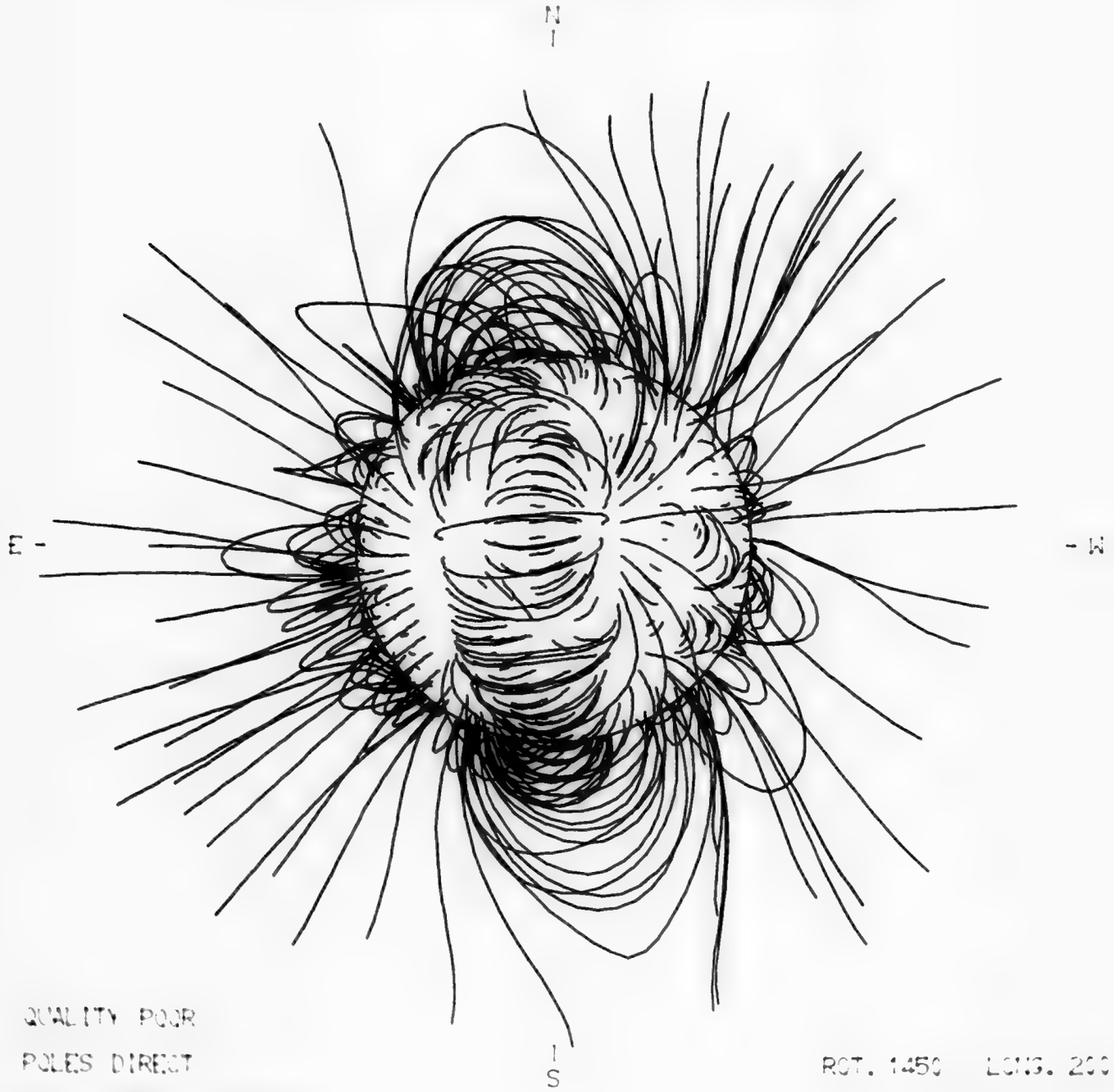
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 210°

5.2 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 200°

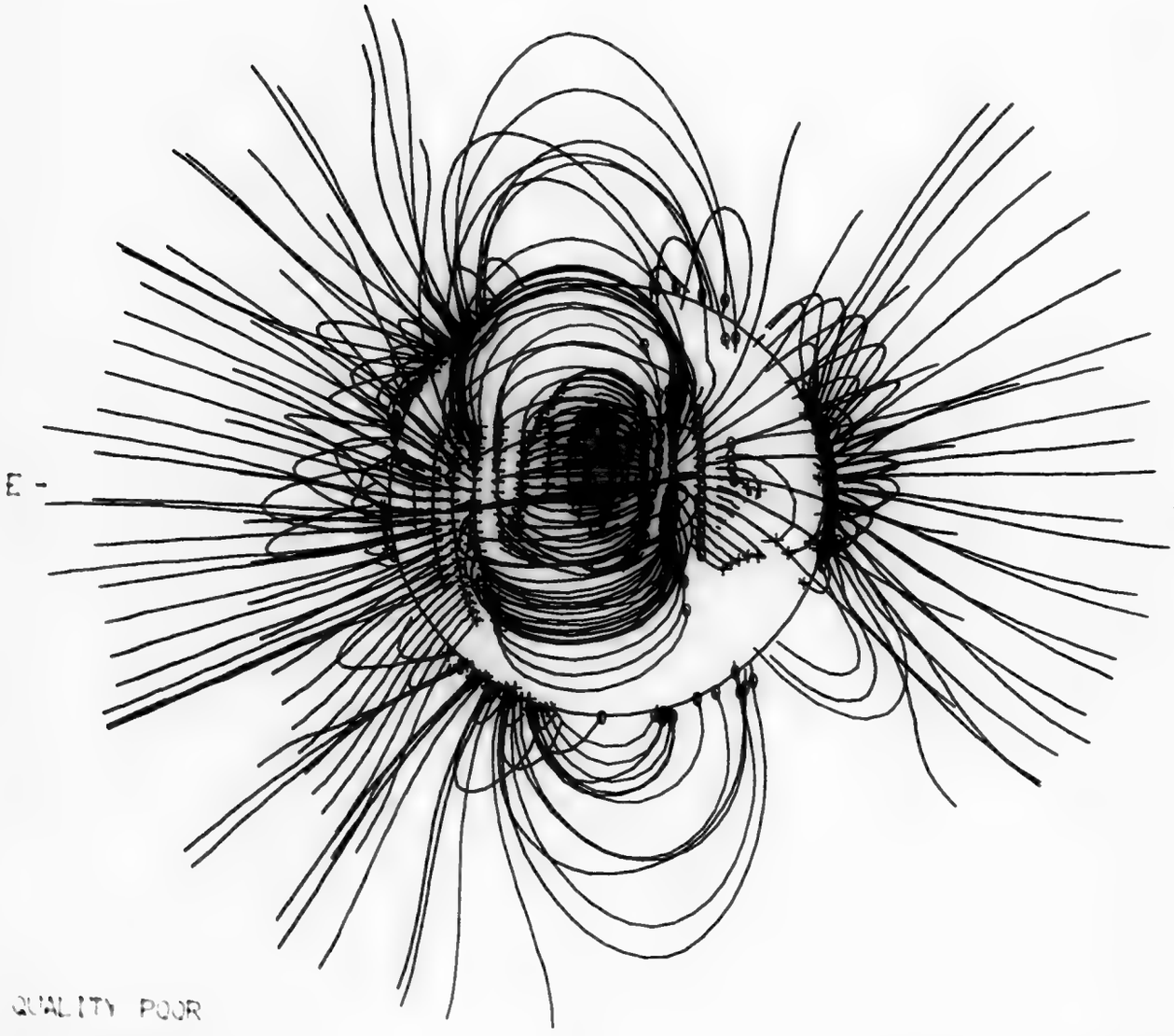
6.0 FEB 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

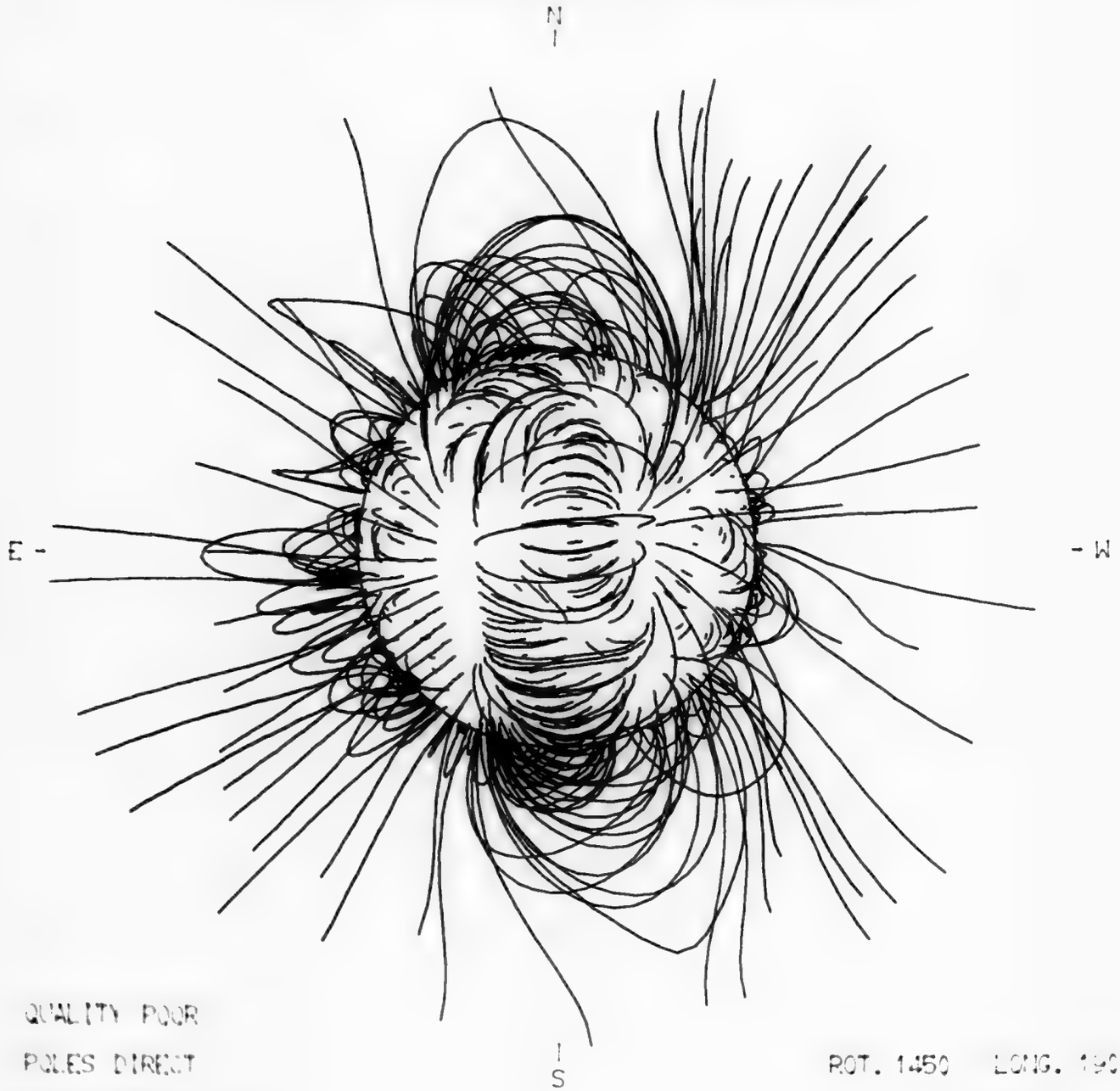
POLES DIRECT

DATA WINDOW 1.050.00

ROT. 1450 LONG. 200°

6.0 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

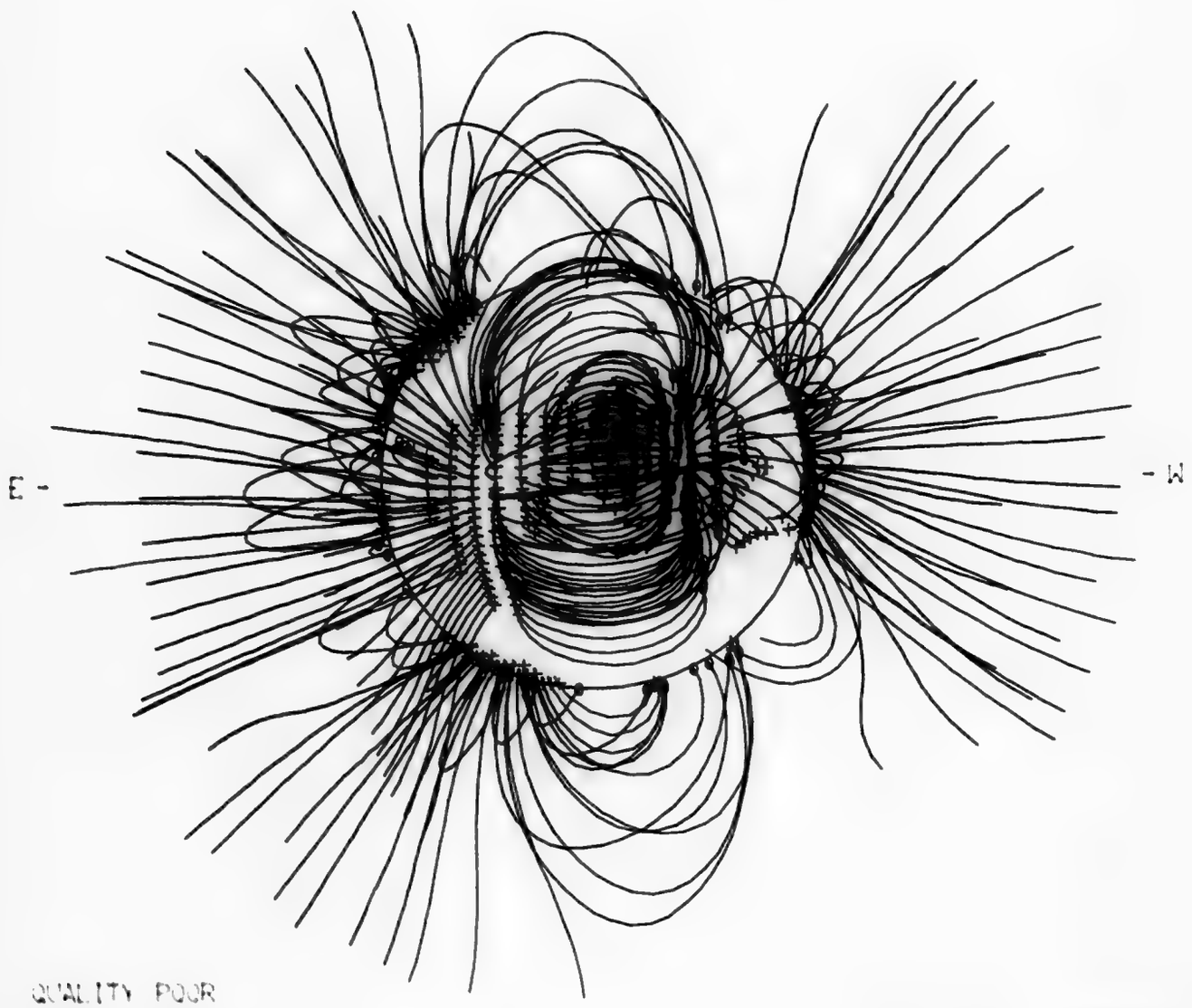
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 190°

6.7 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

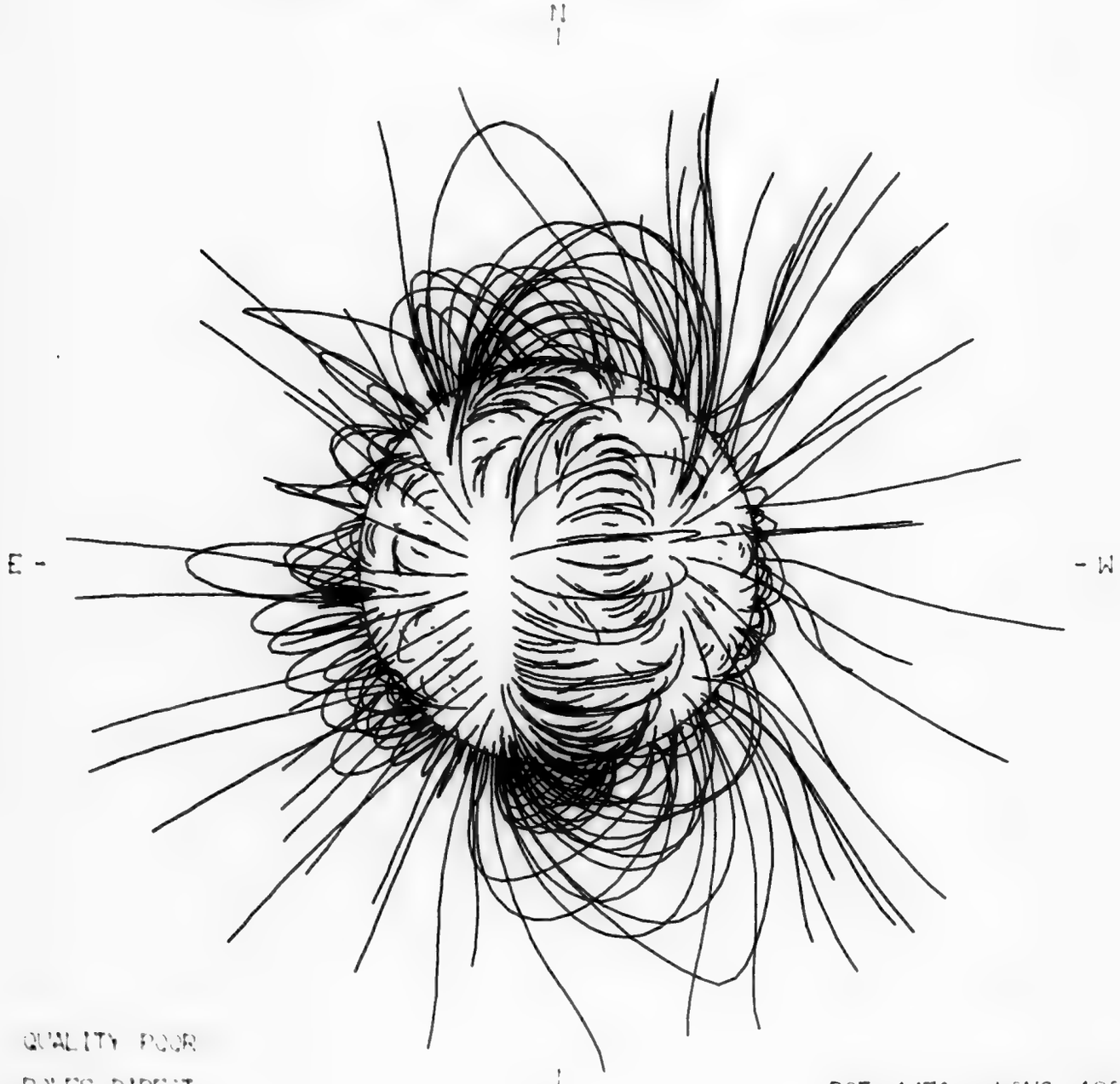
POLES DIRECT

DATA WINDOW 1.350.00

ROT. 1450 LONG. 190°

6.7 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

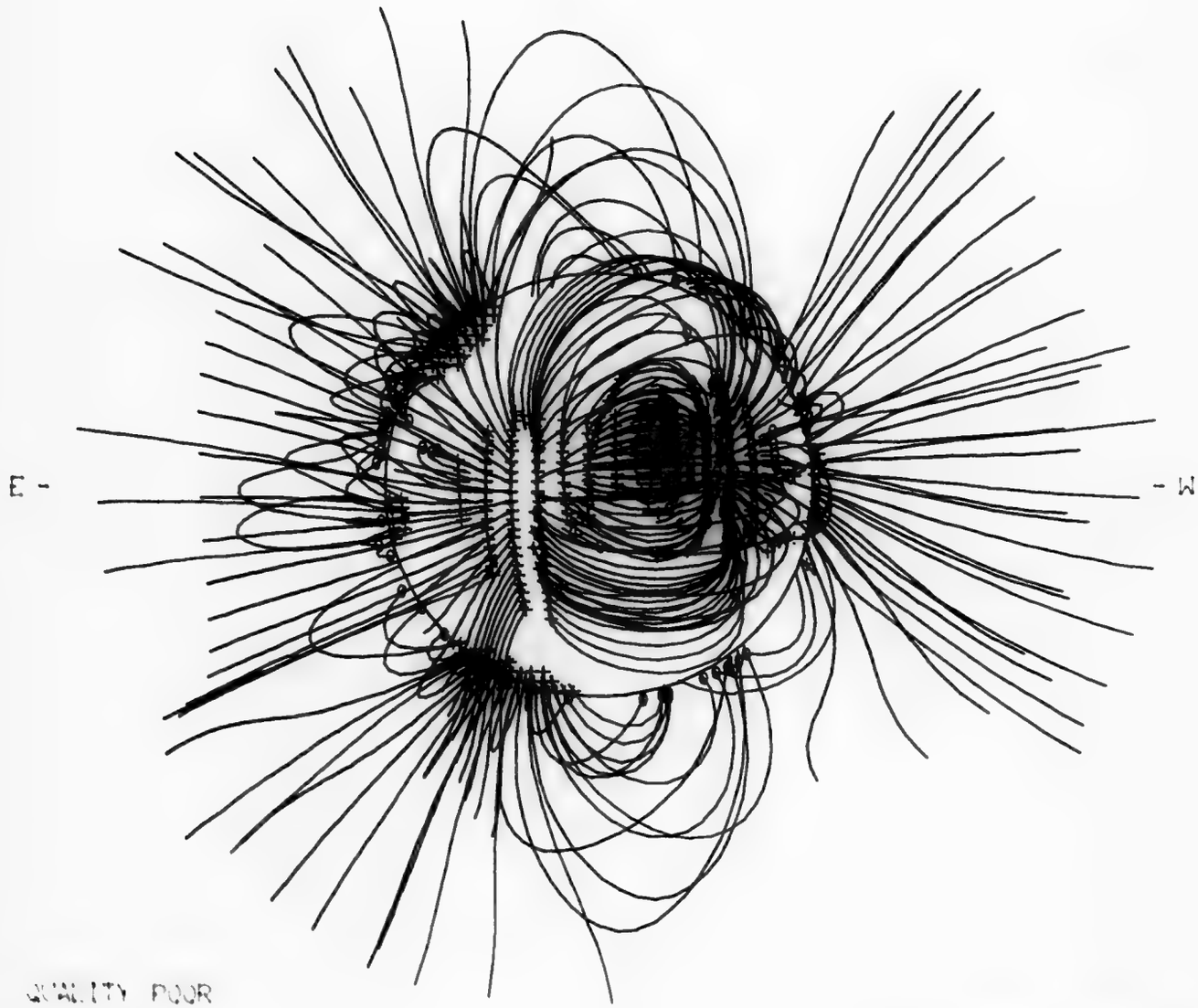
POLES DIRECT

DATA WINDOW 1.350.00

ROT. 1450 LONG. 180°

7.5 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

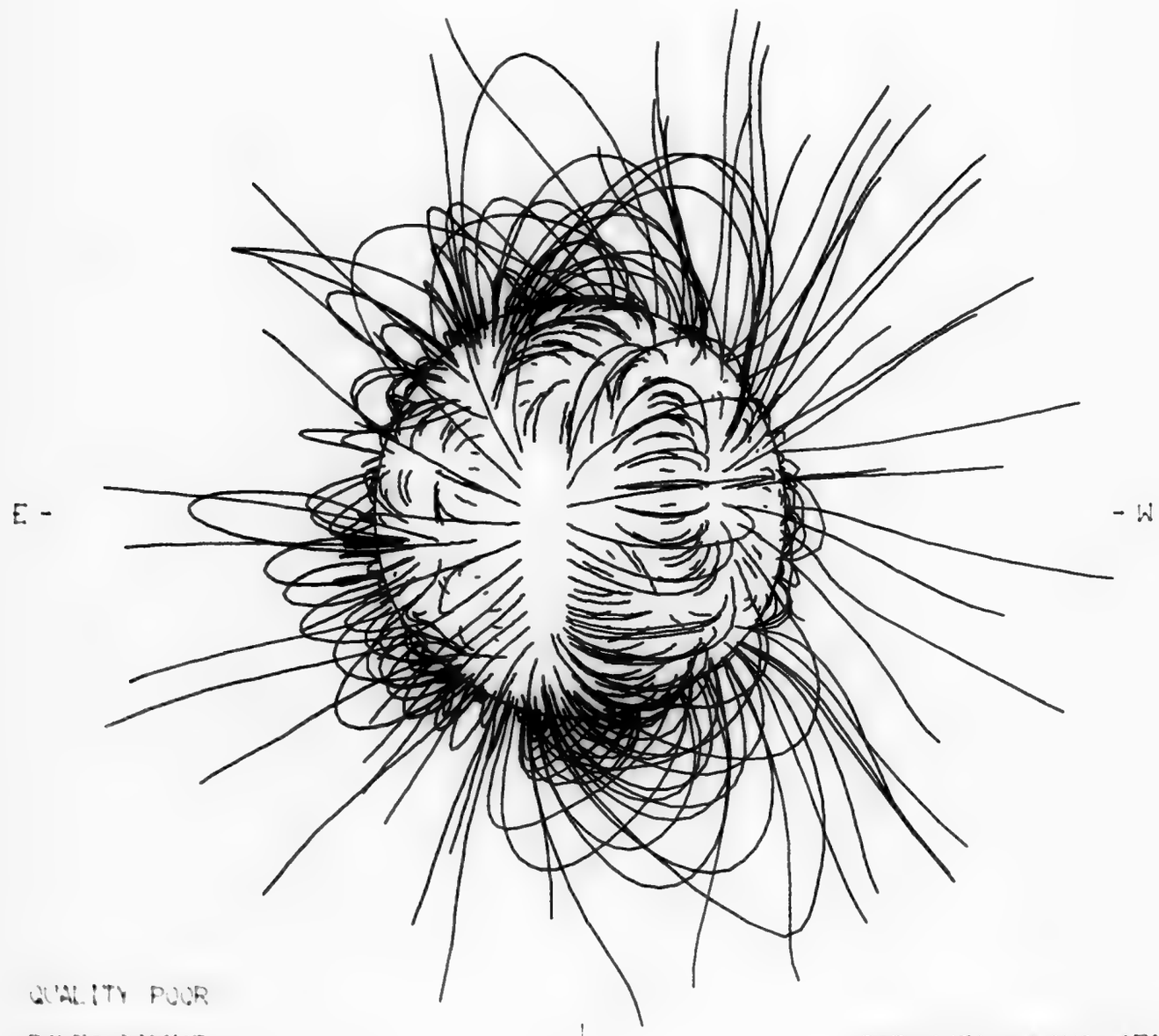
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 180°

7.5 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

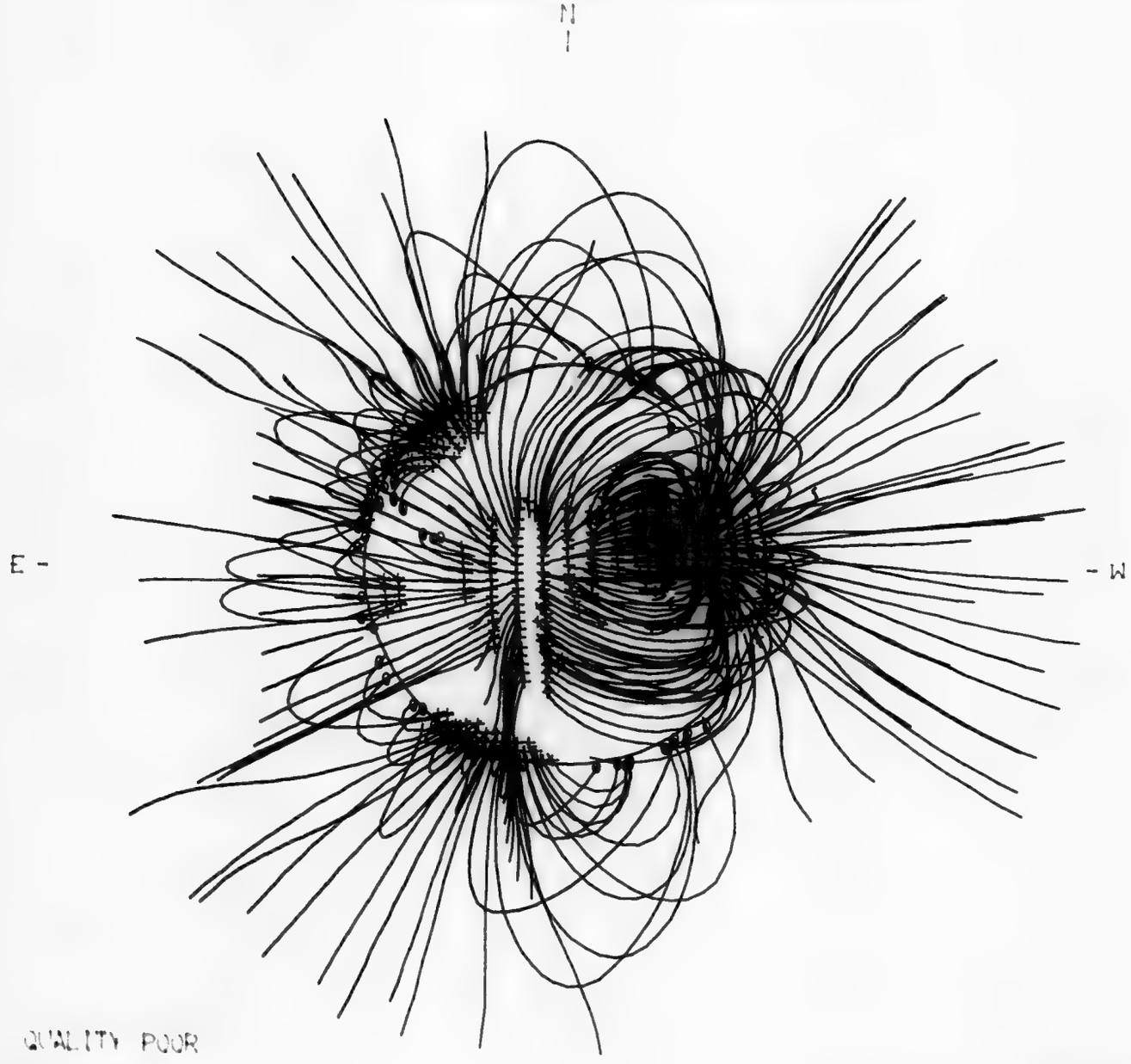
POLES DIRECT

DATA WINDOW 1.050.00

ROT. 1450 LONG. 170°

8.2 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

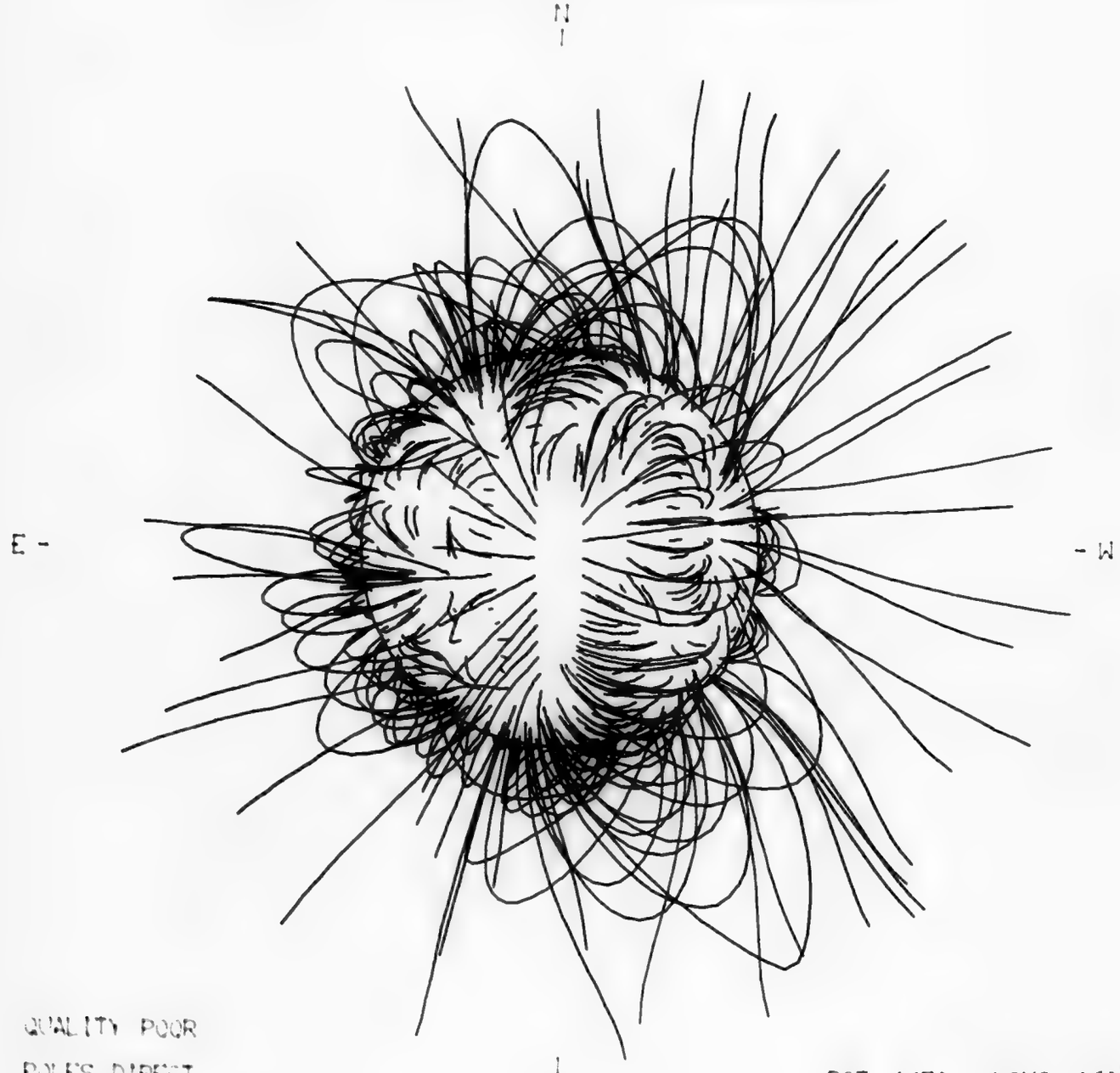
POLES DIRECT

DATA WINDOW 1.050.00

ROT. 1450 LONG. 170°

8.2 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 160°

9.0 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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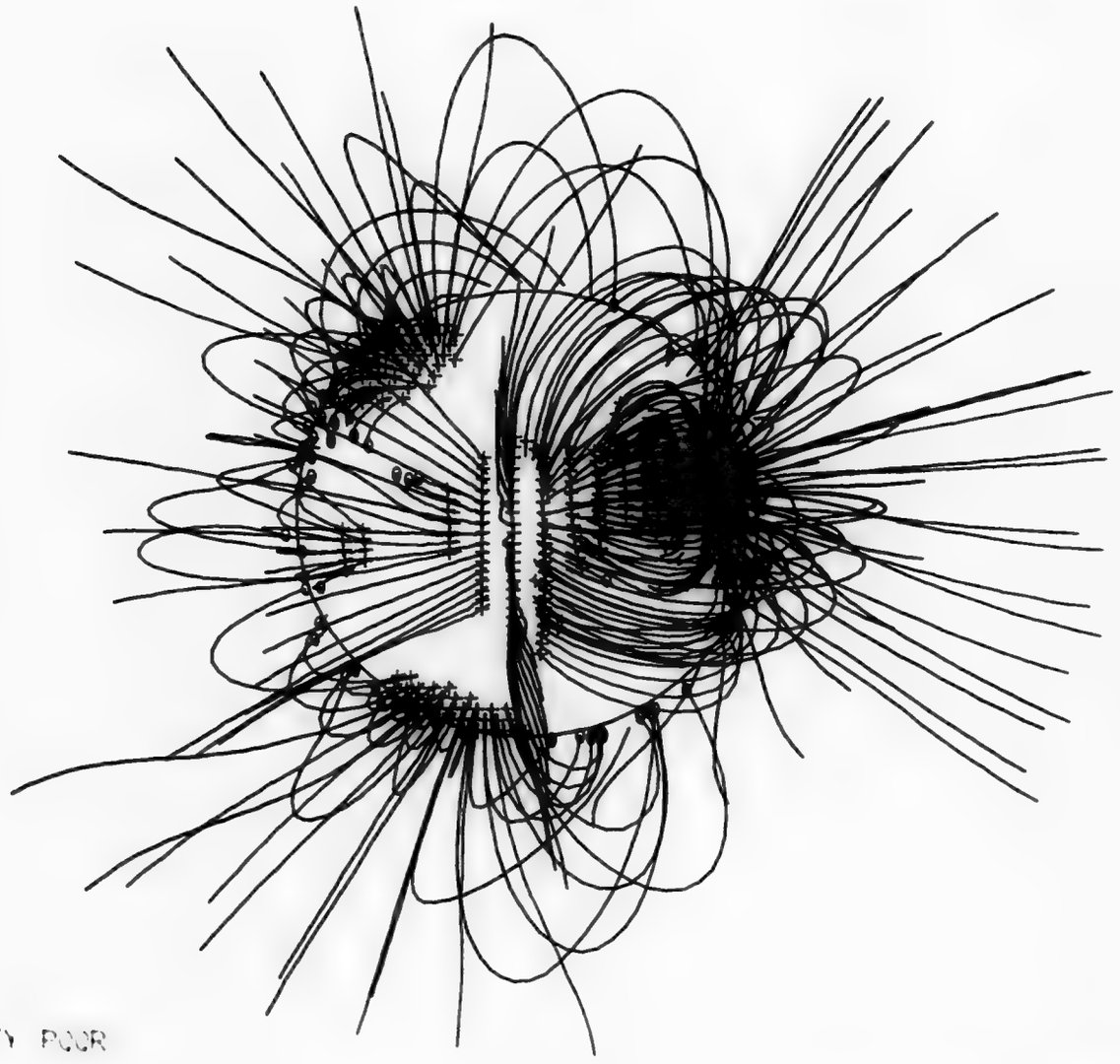

QUALITY POOR

POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 160°

9.0 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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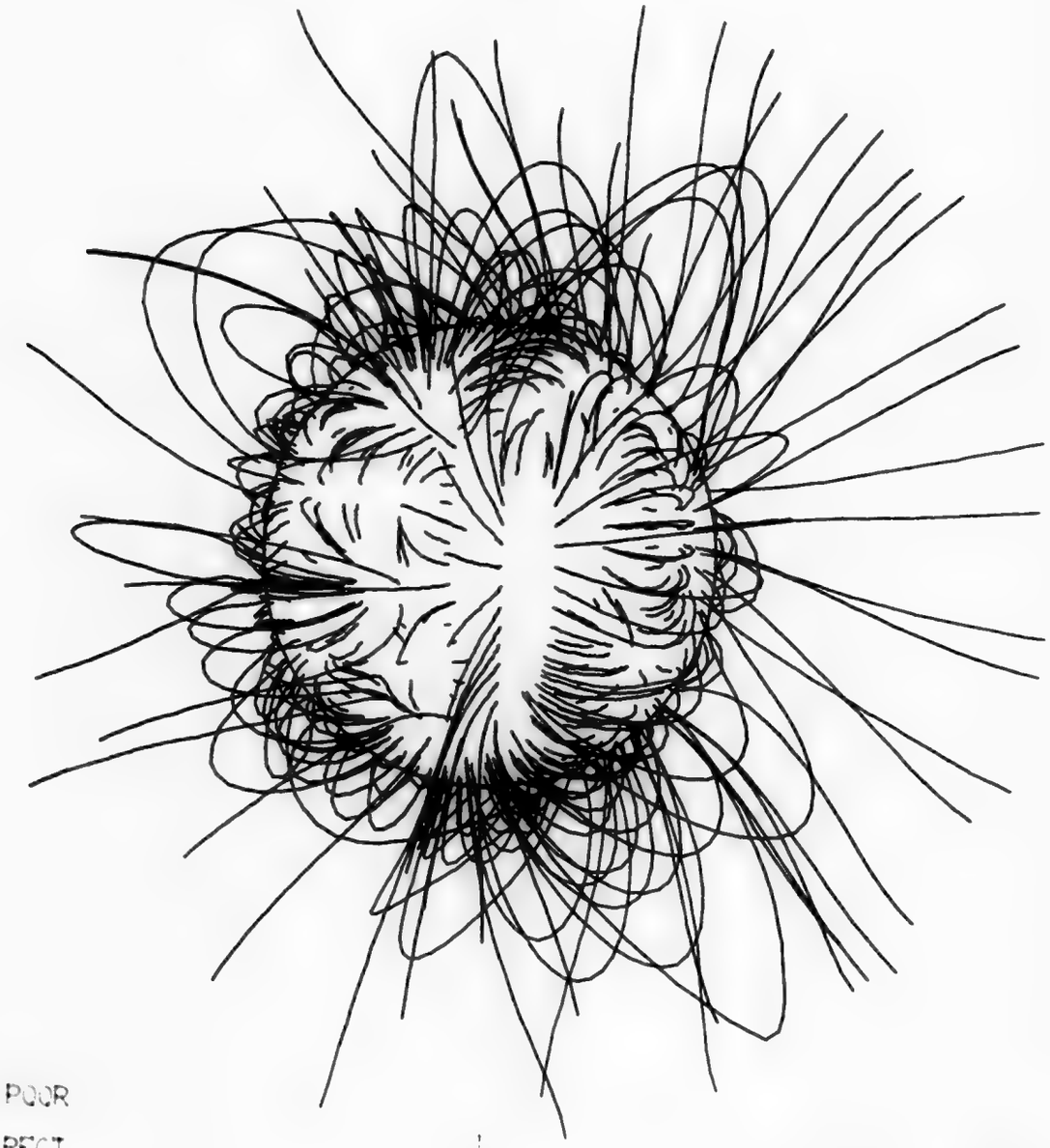


QUALITY POOR

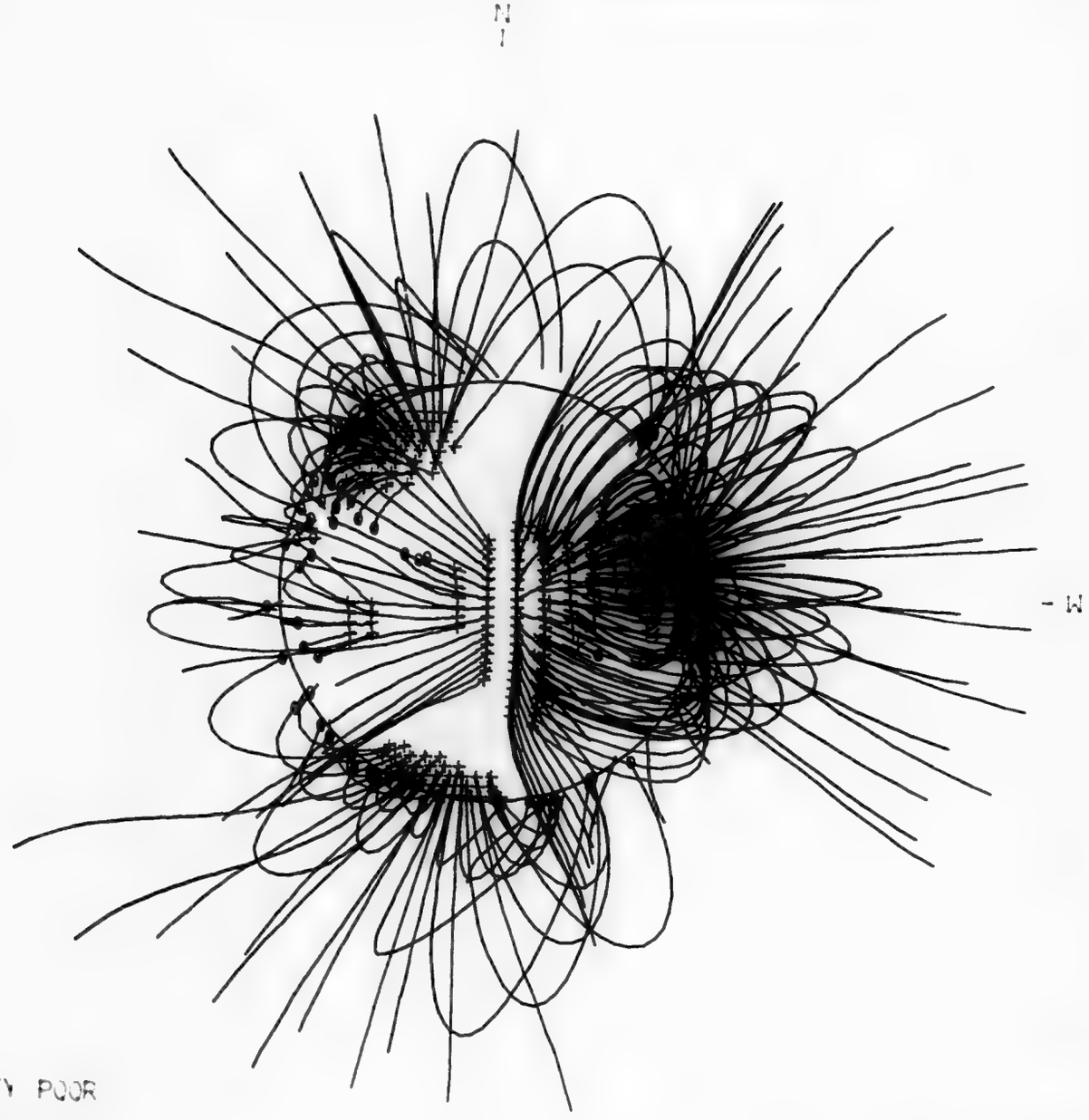
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 150°

9.7 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

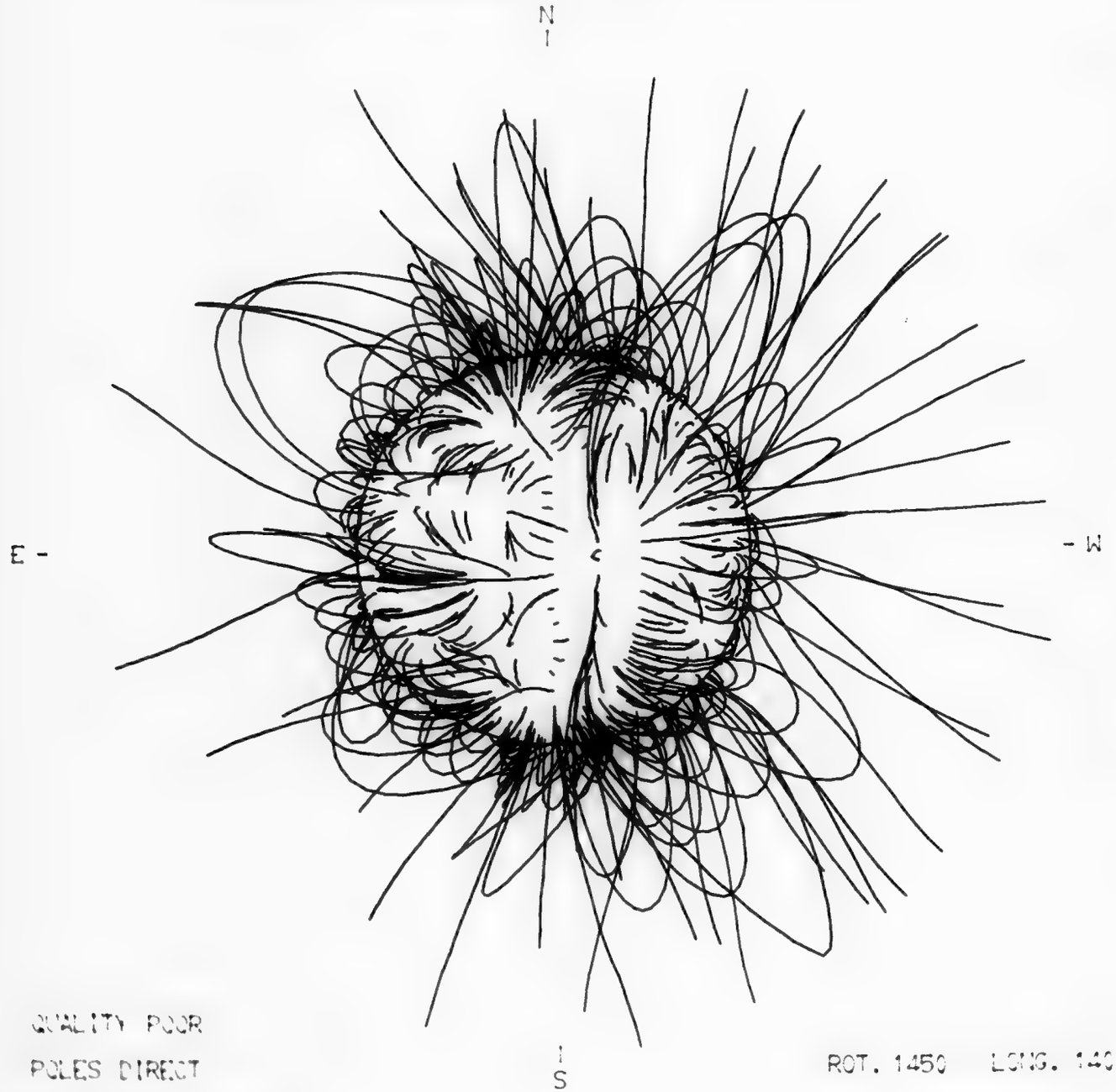
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 150°

9.7 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

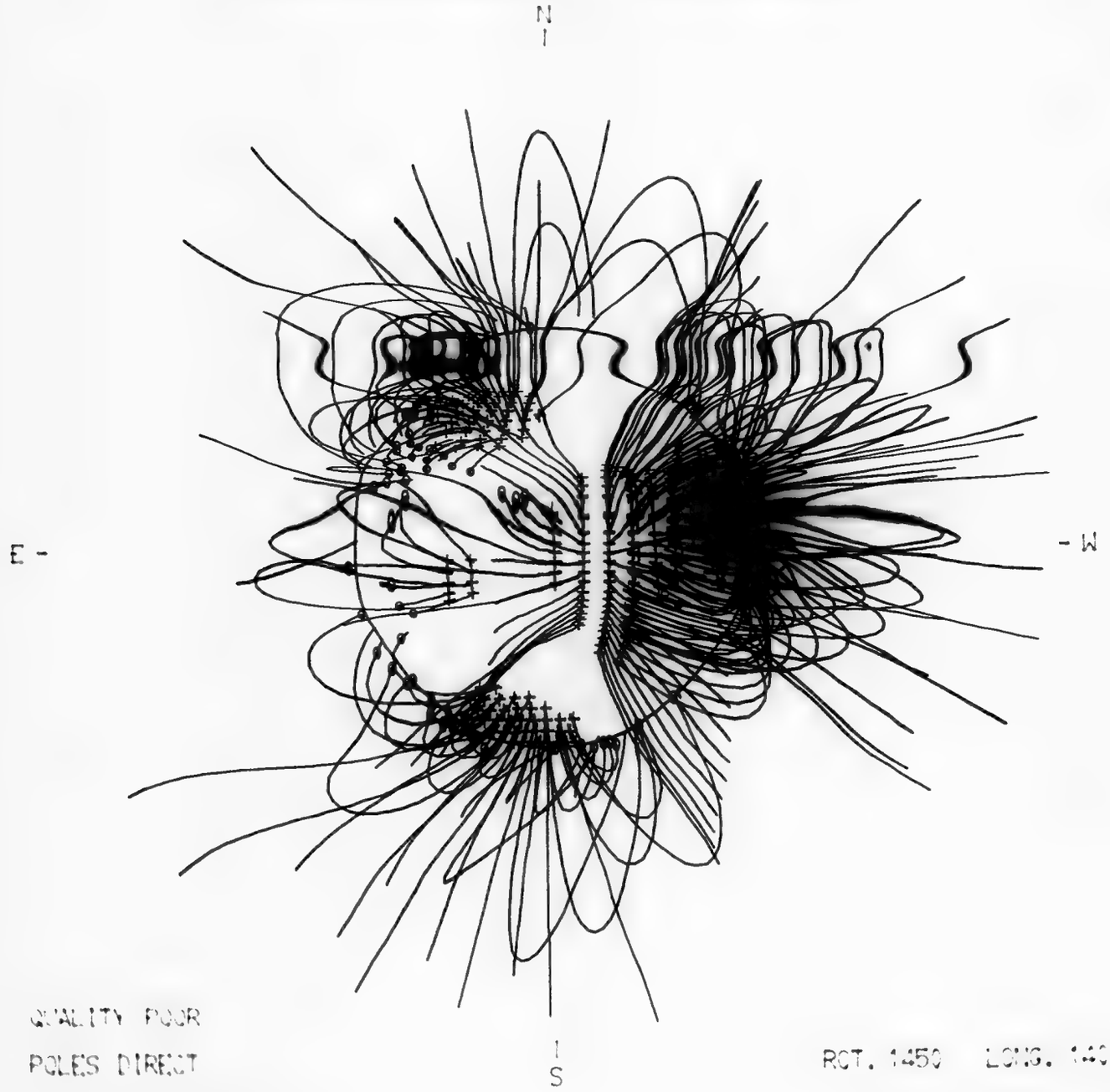
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 140°

10.5 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

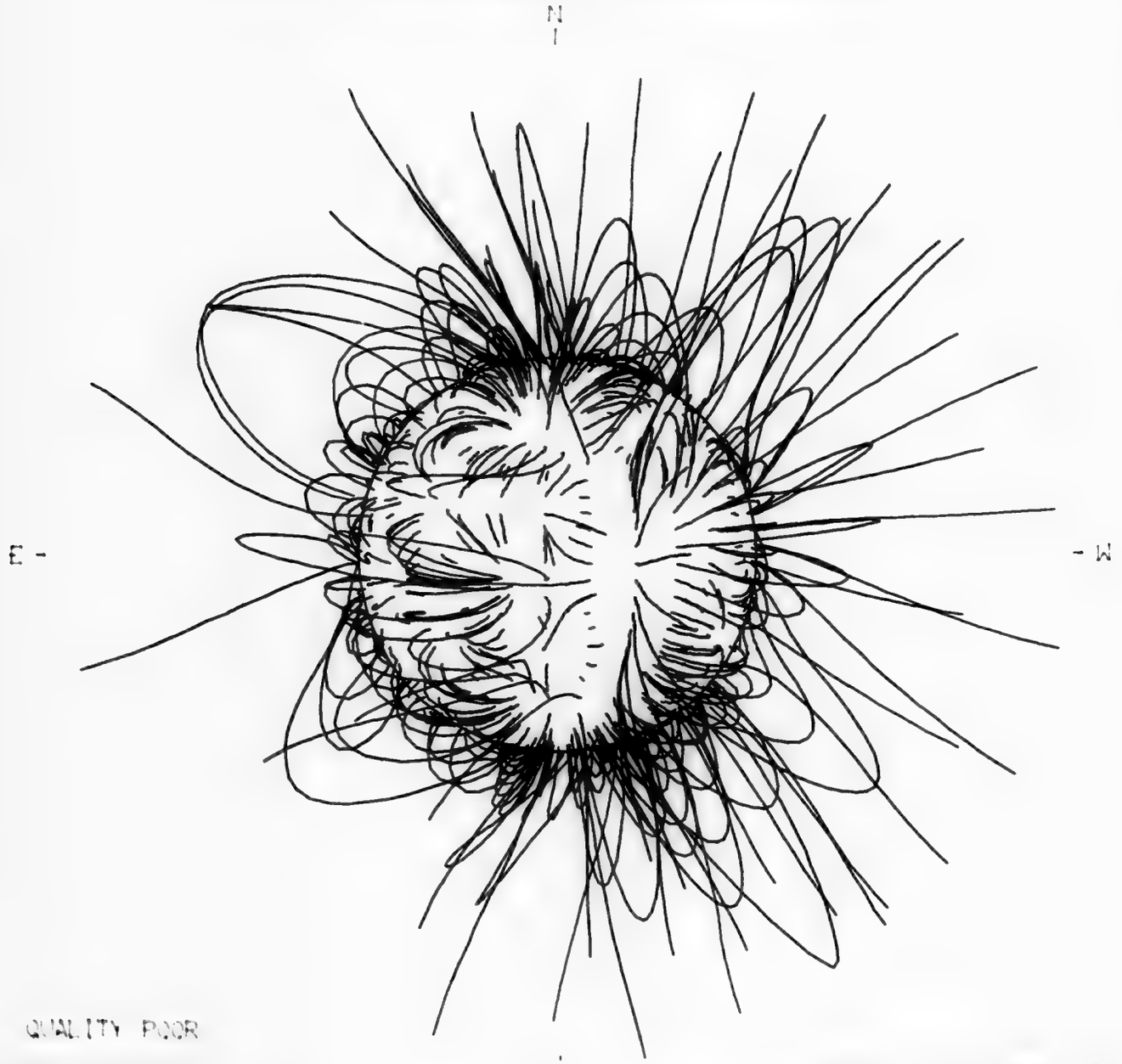
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 140°

10.5 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 130°

11.3 FEB 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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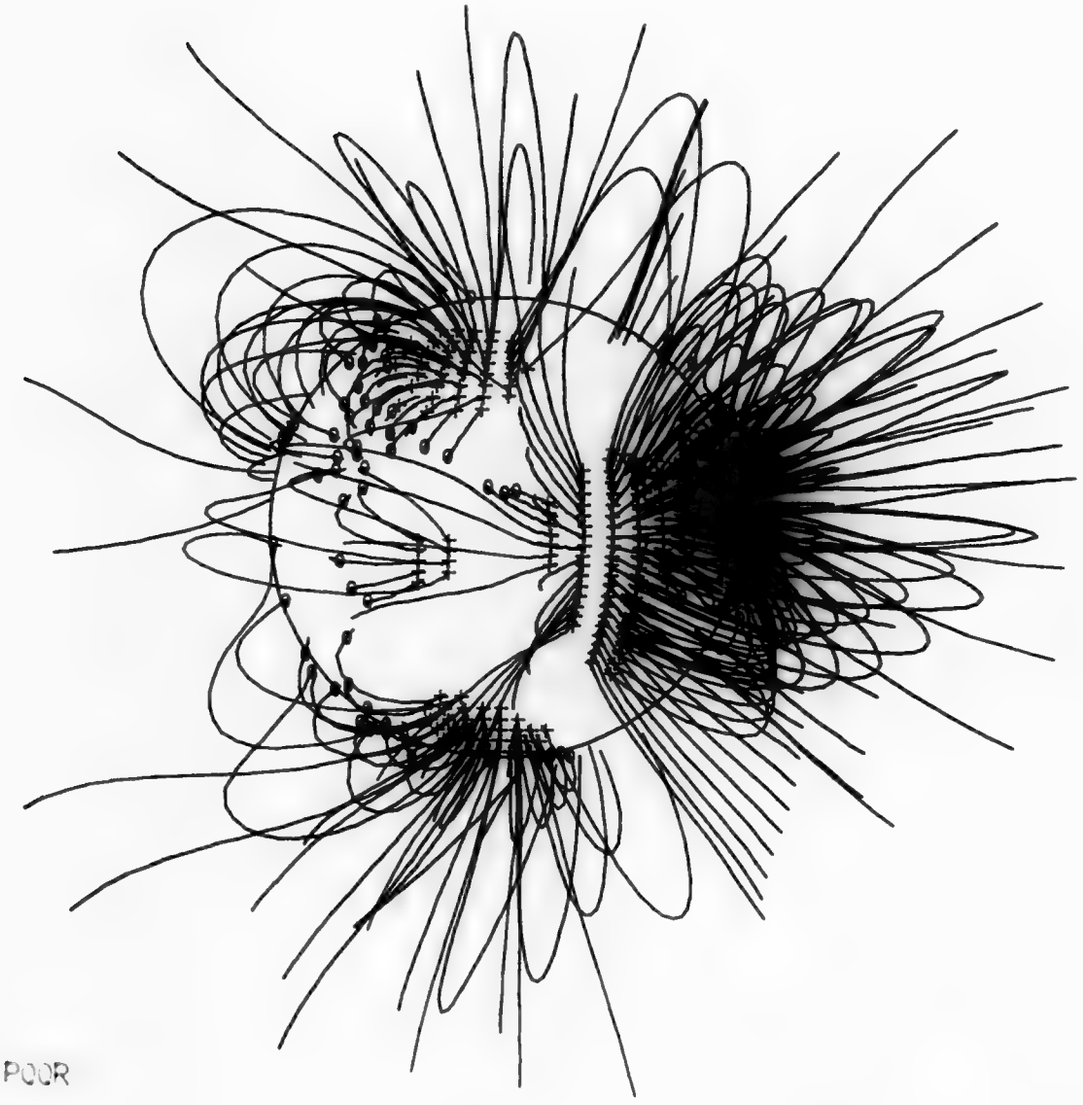


- W

S

QUALITY POOR

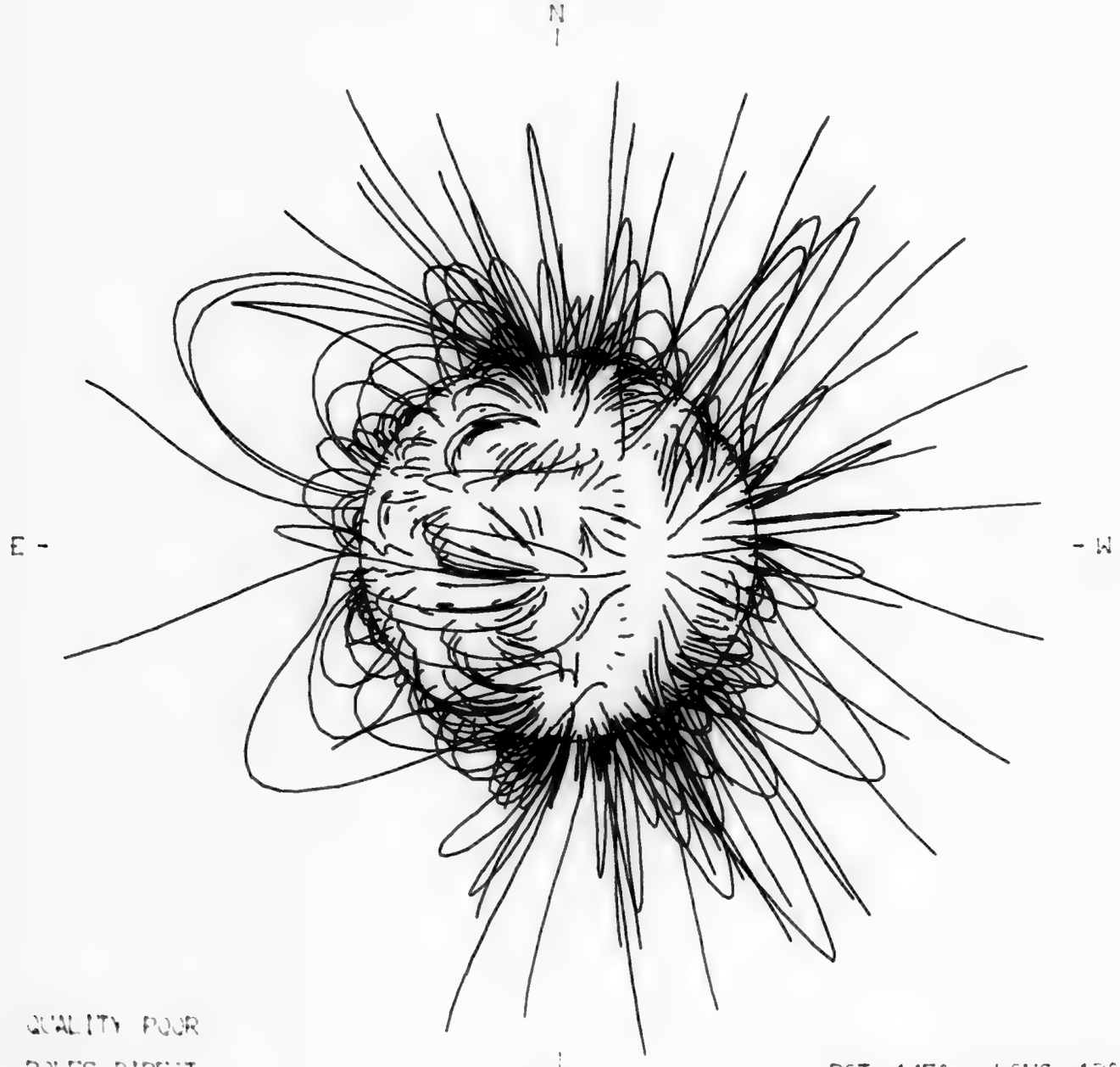
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 130°

11.3 FEB 1962

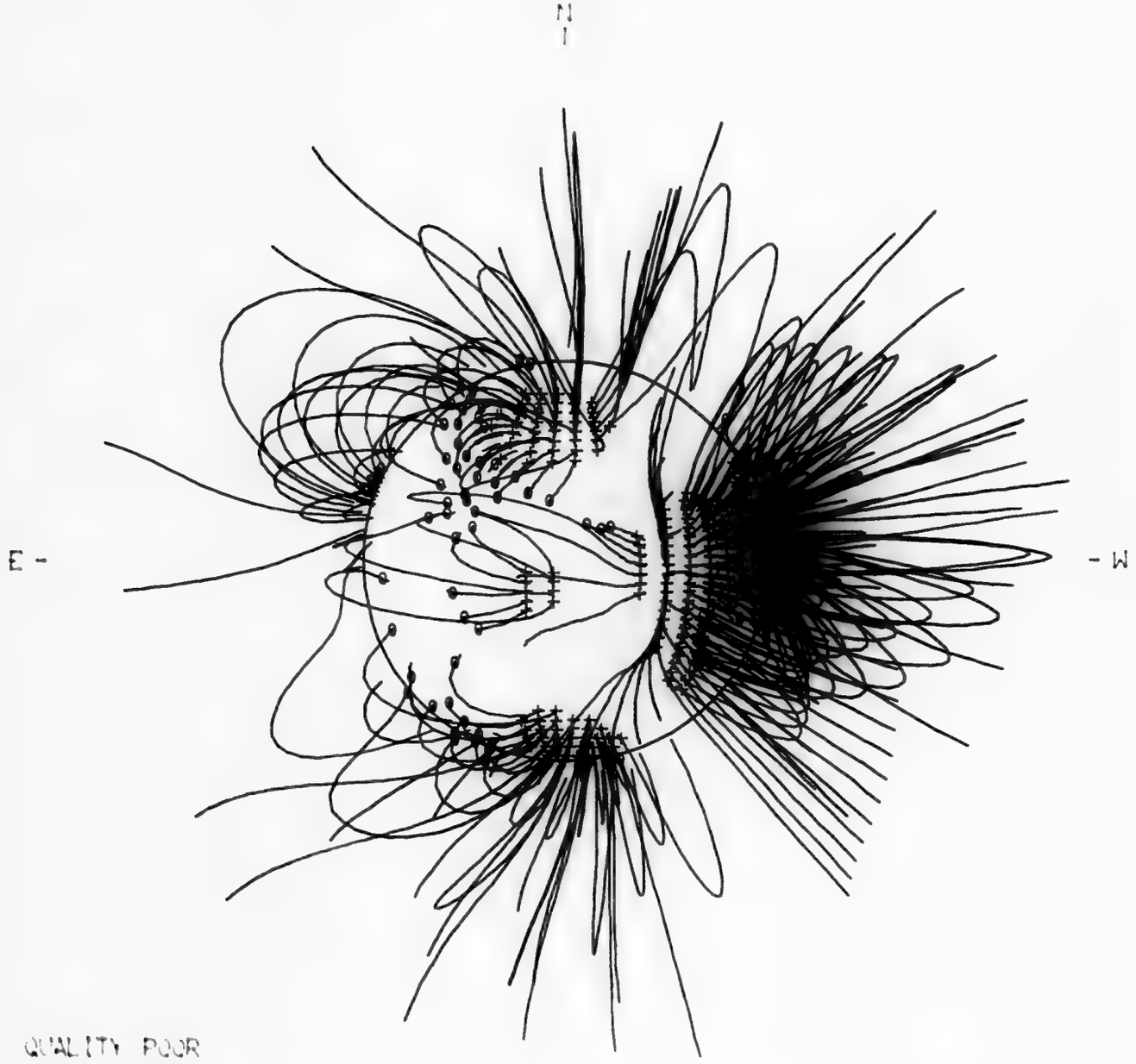
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1450.00

ROT. 1450 LONG. 120°
12.0 FEB 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

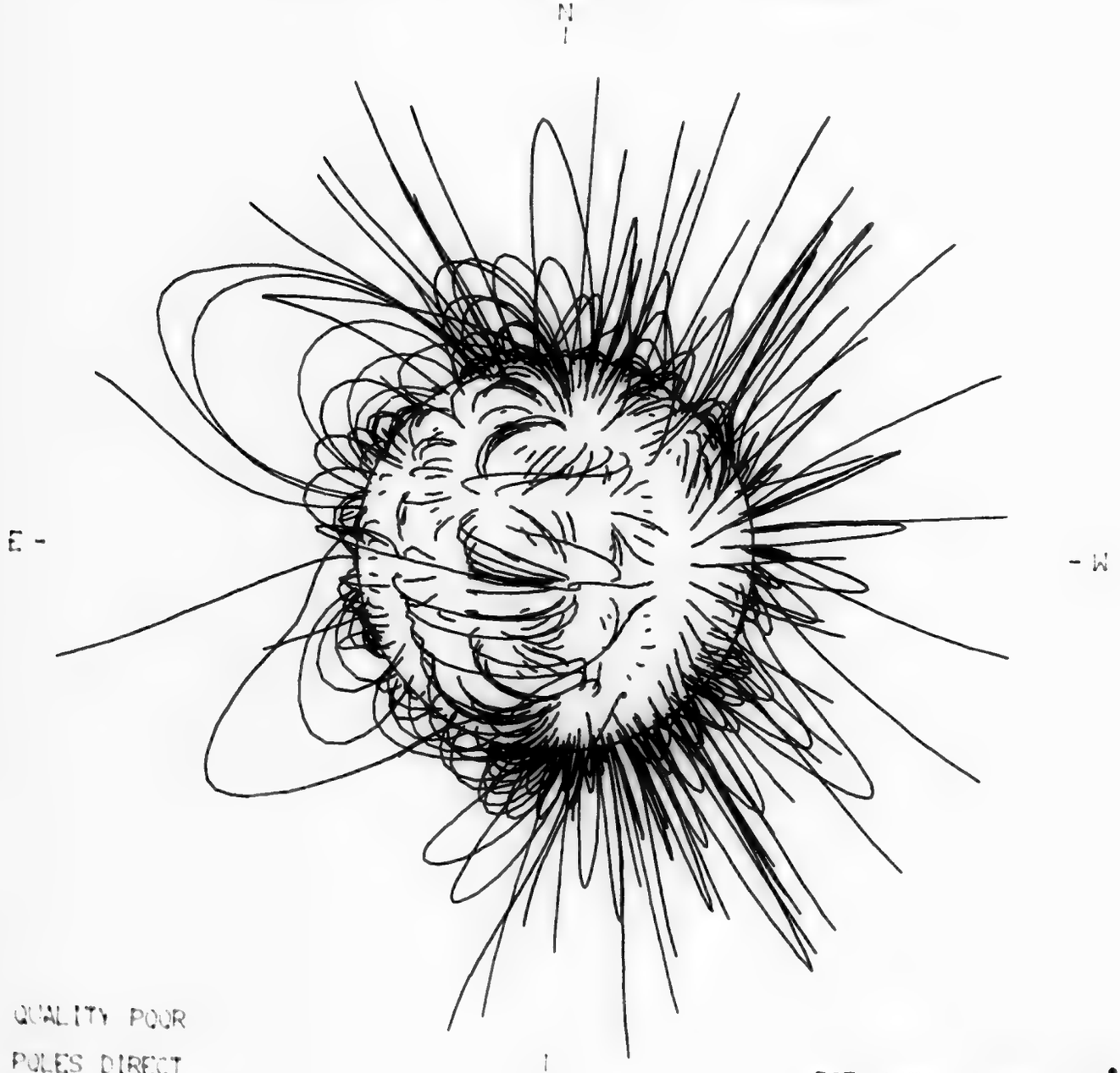
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 120°

12.0 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

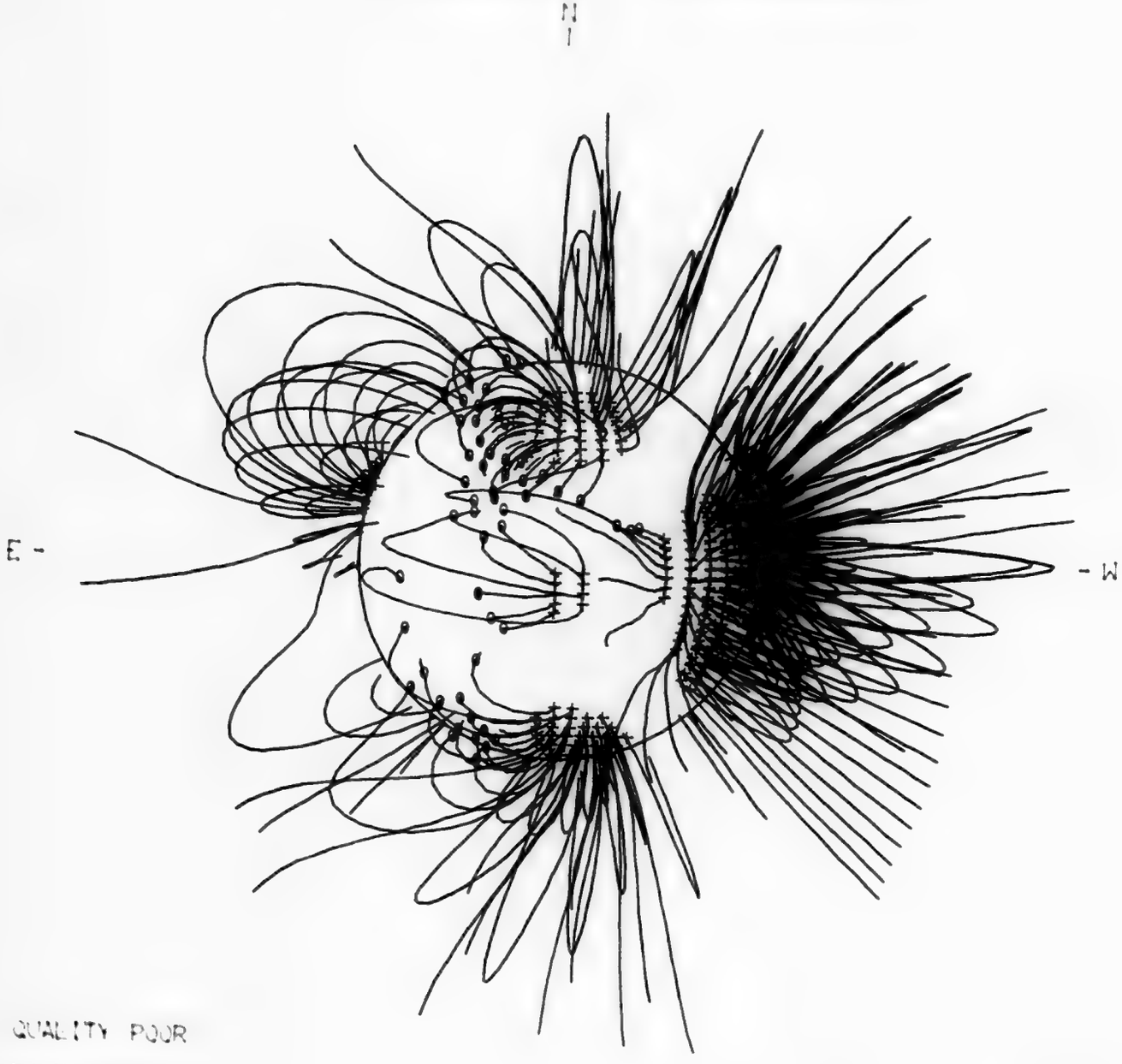
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 11.0°

12.8 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

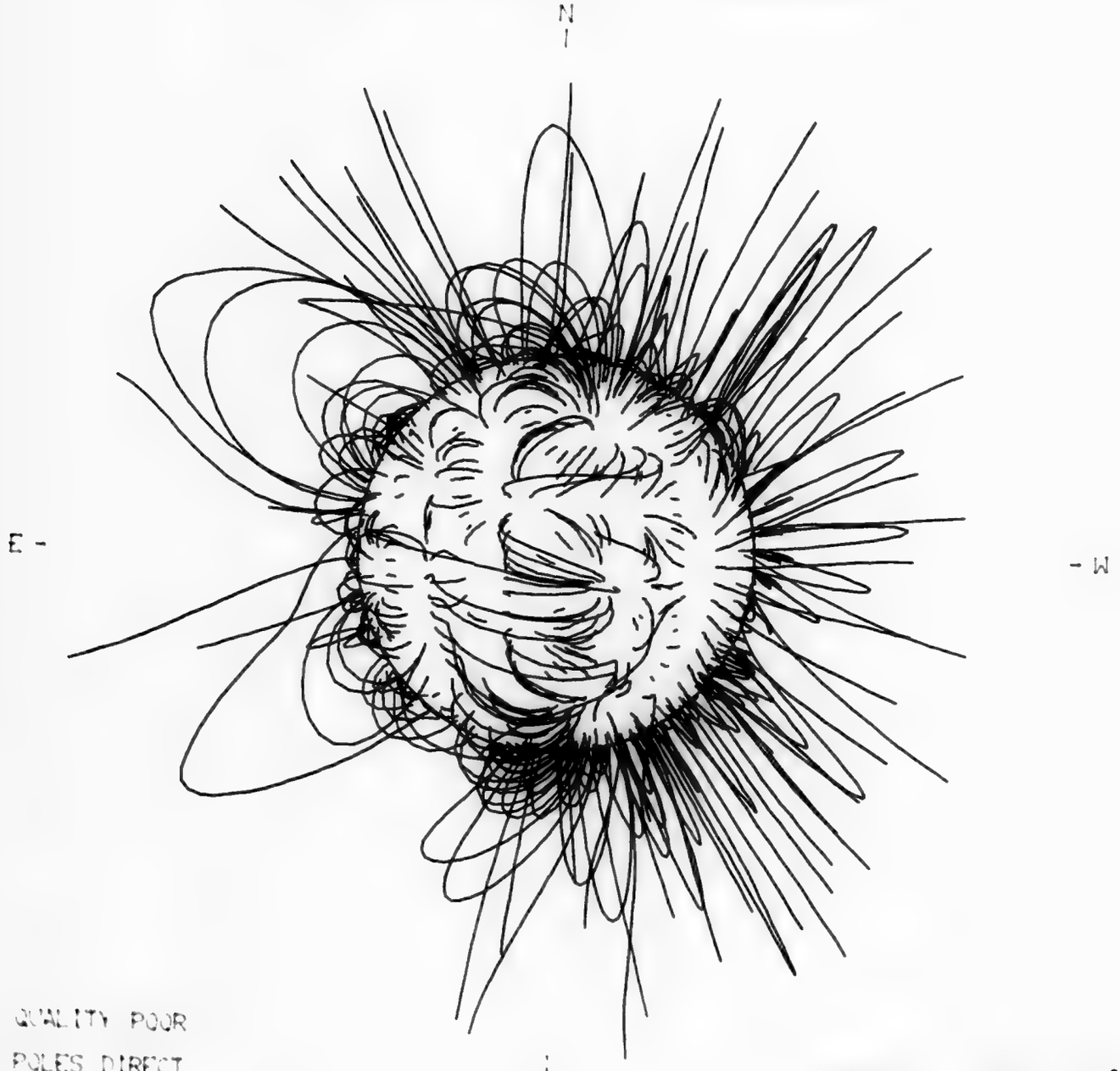
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 110°

12.8 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

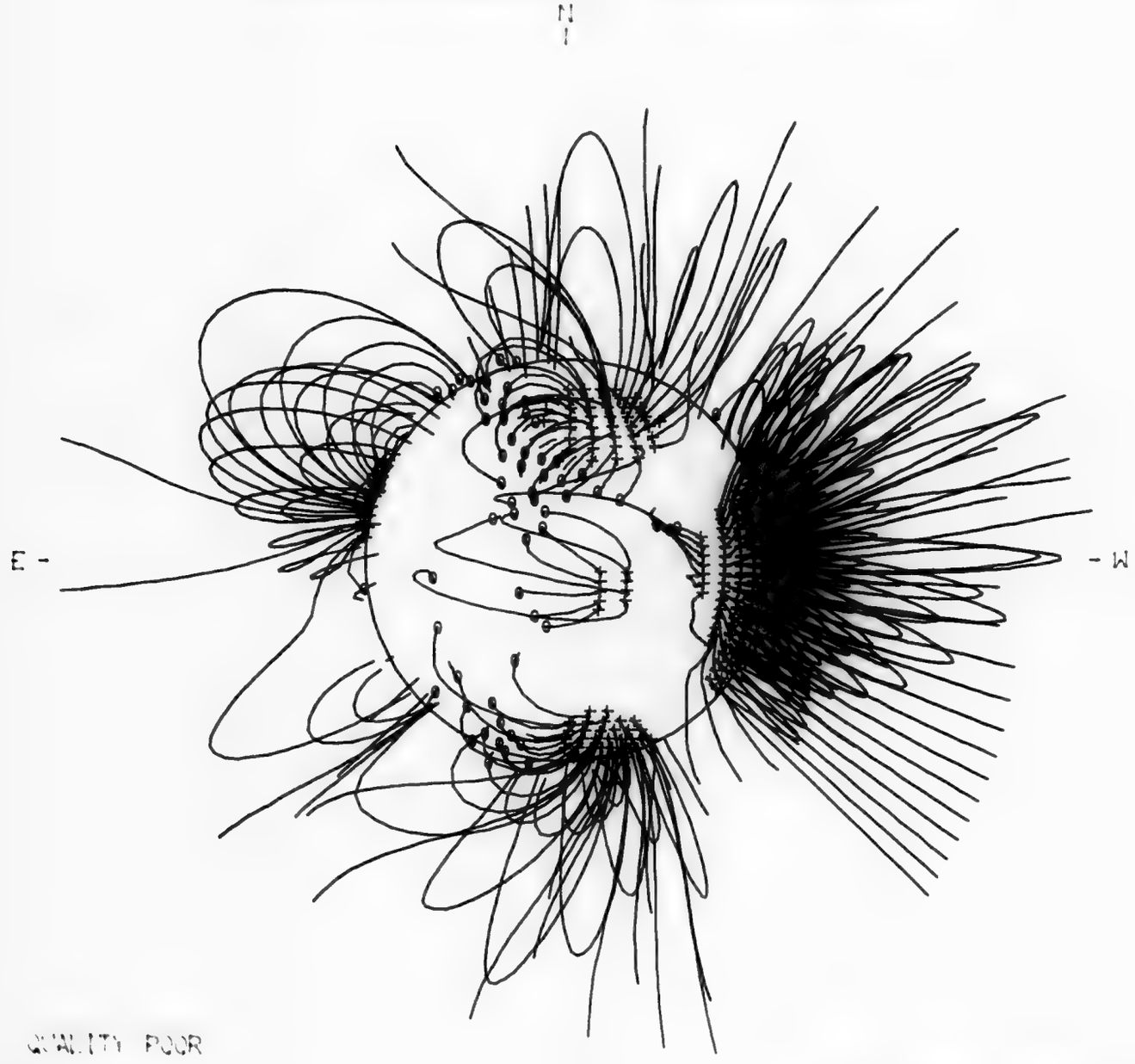
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 100°

13.5 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

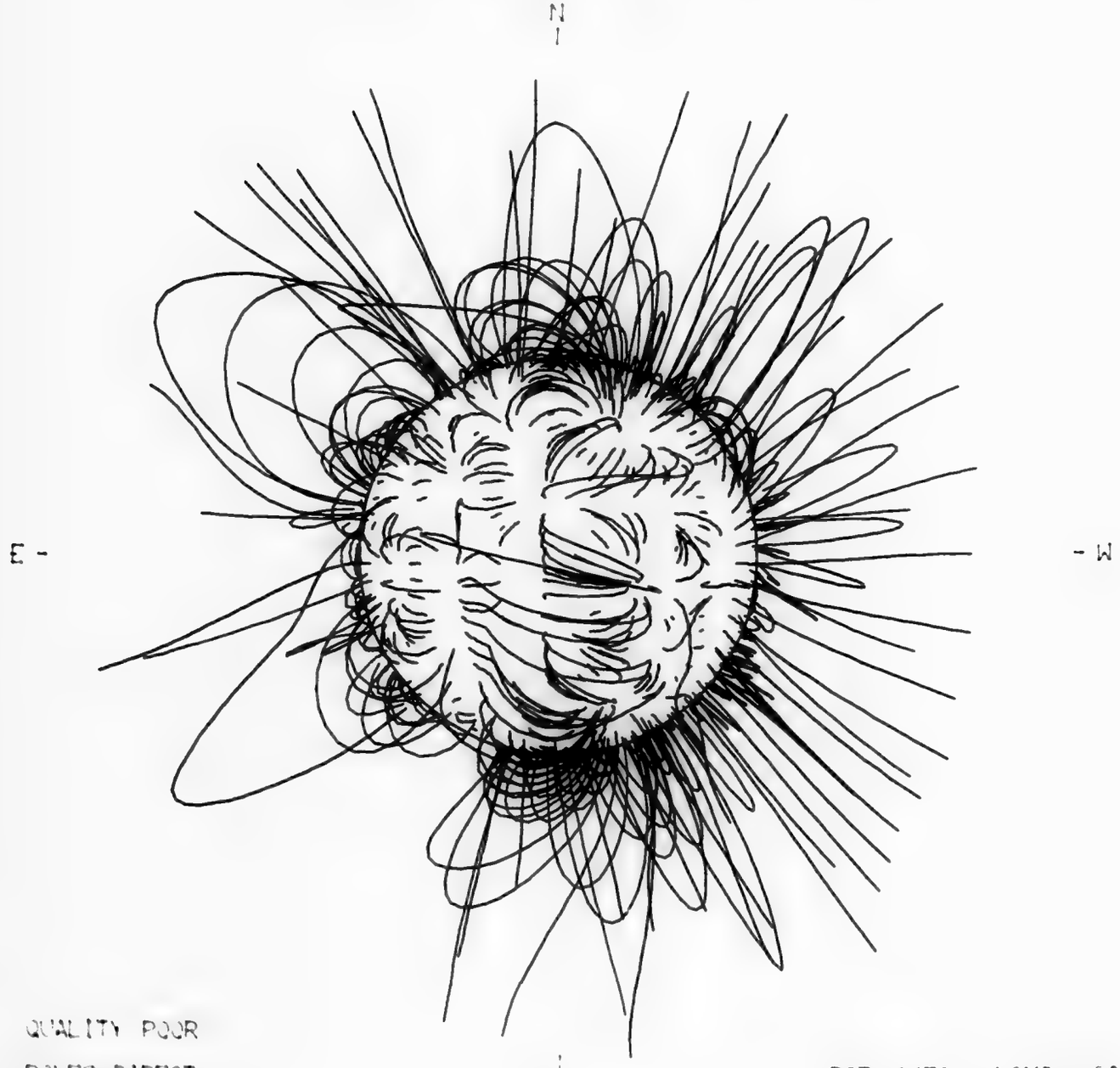
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 100°

13.5 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

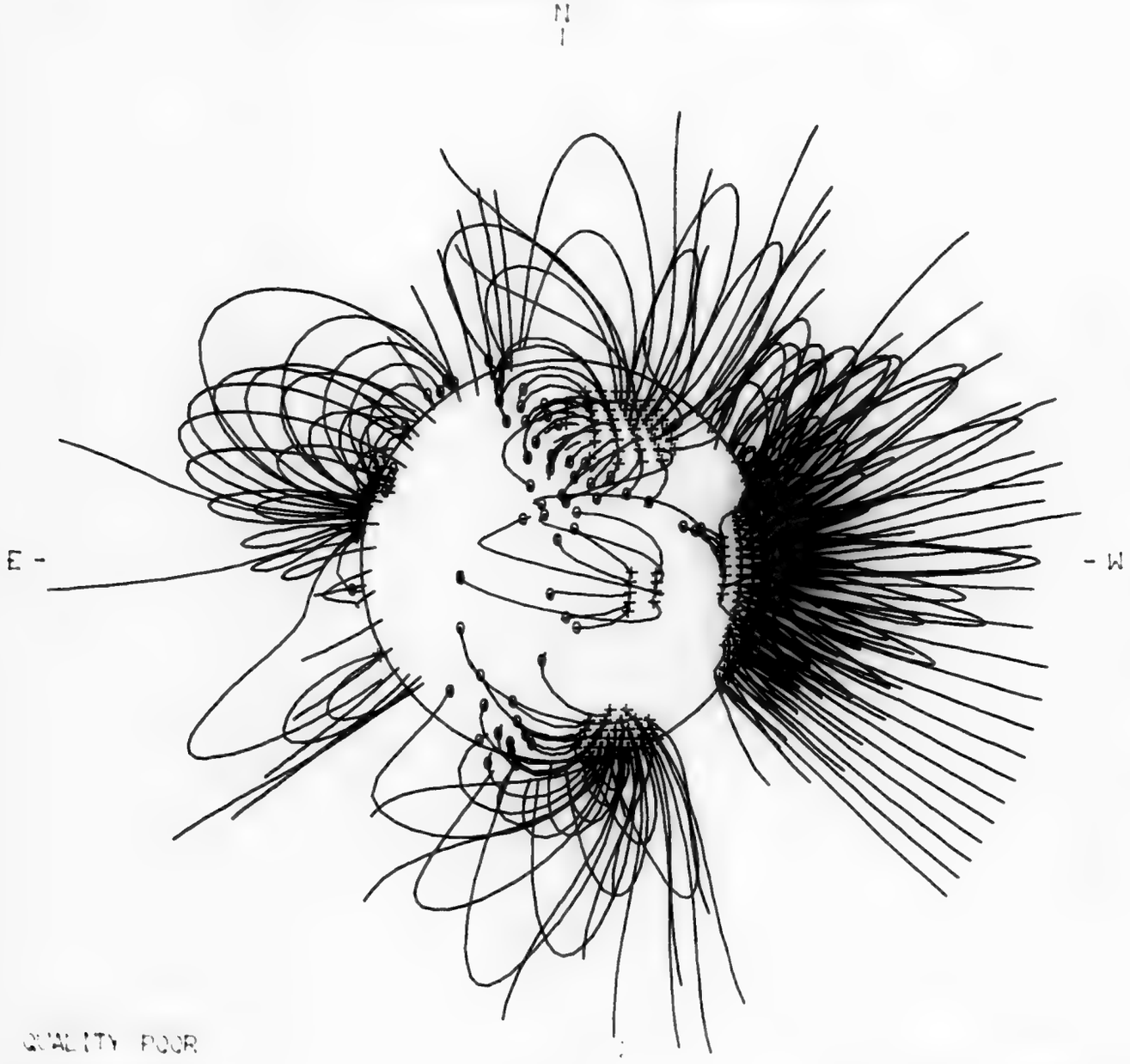
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 90°

14.3 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 90°

14.3 FEB 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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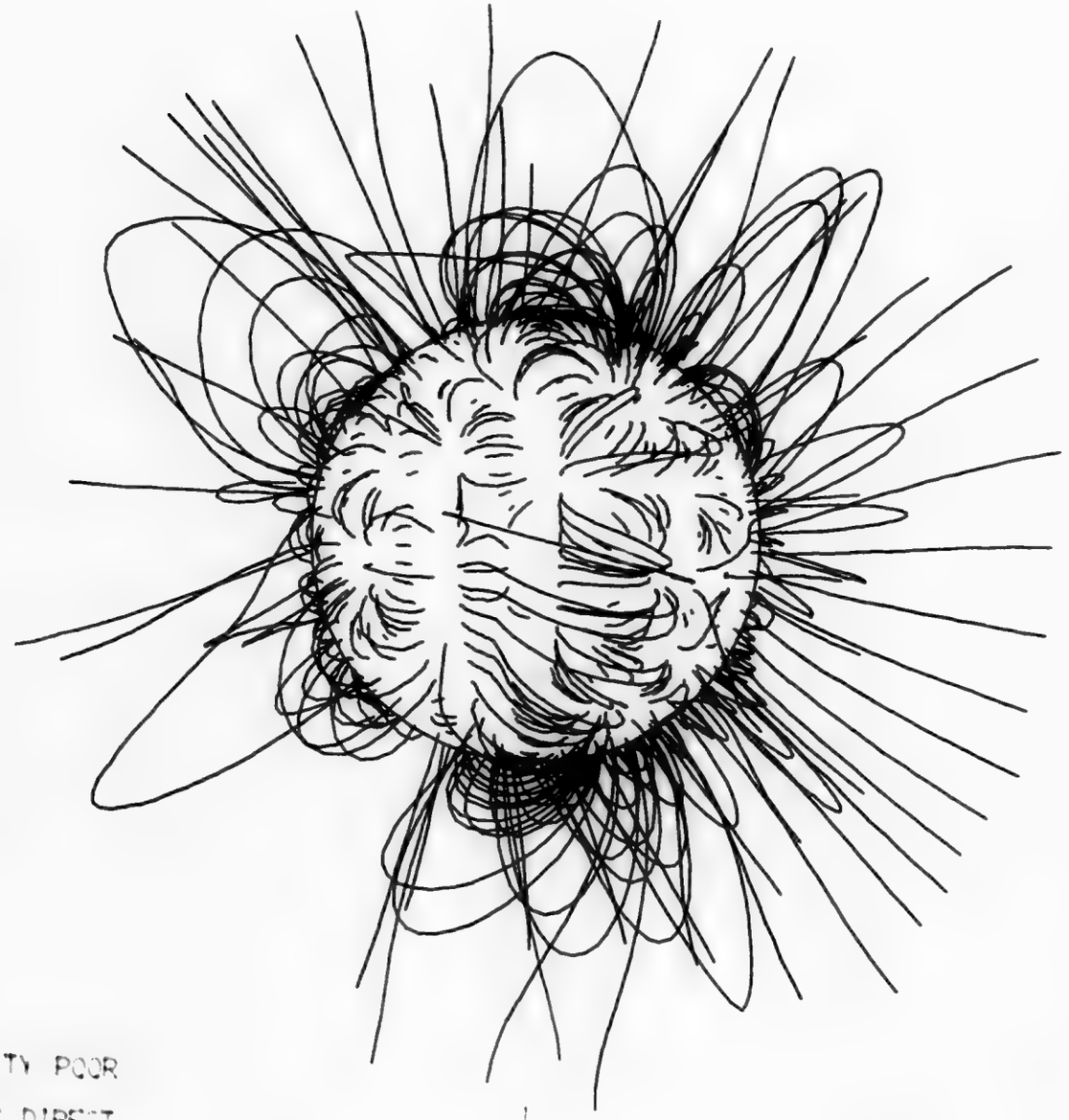


QUALITY POOR

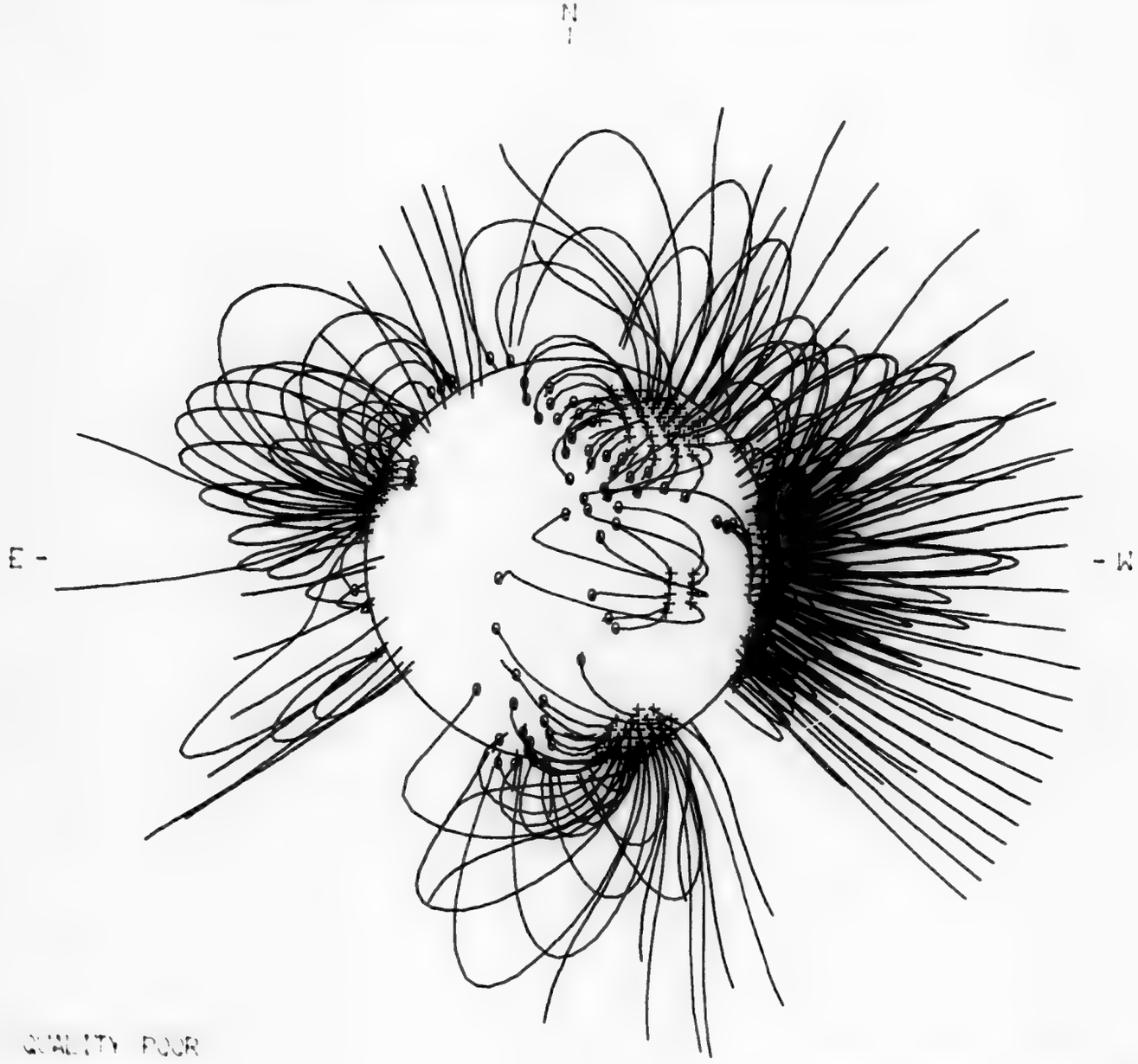
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 80°

15.0 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

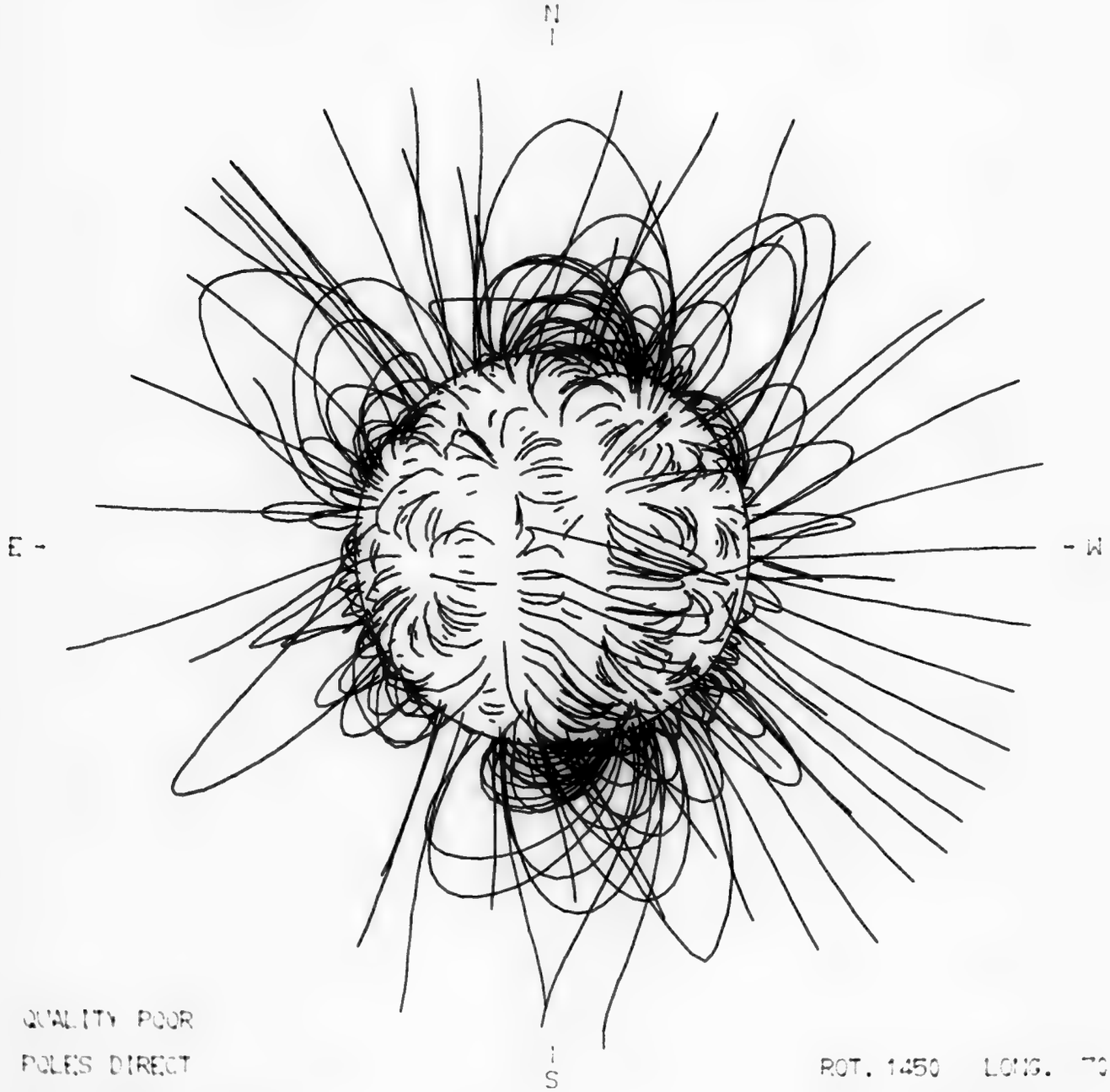
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 80°

15.0 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

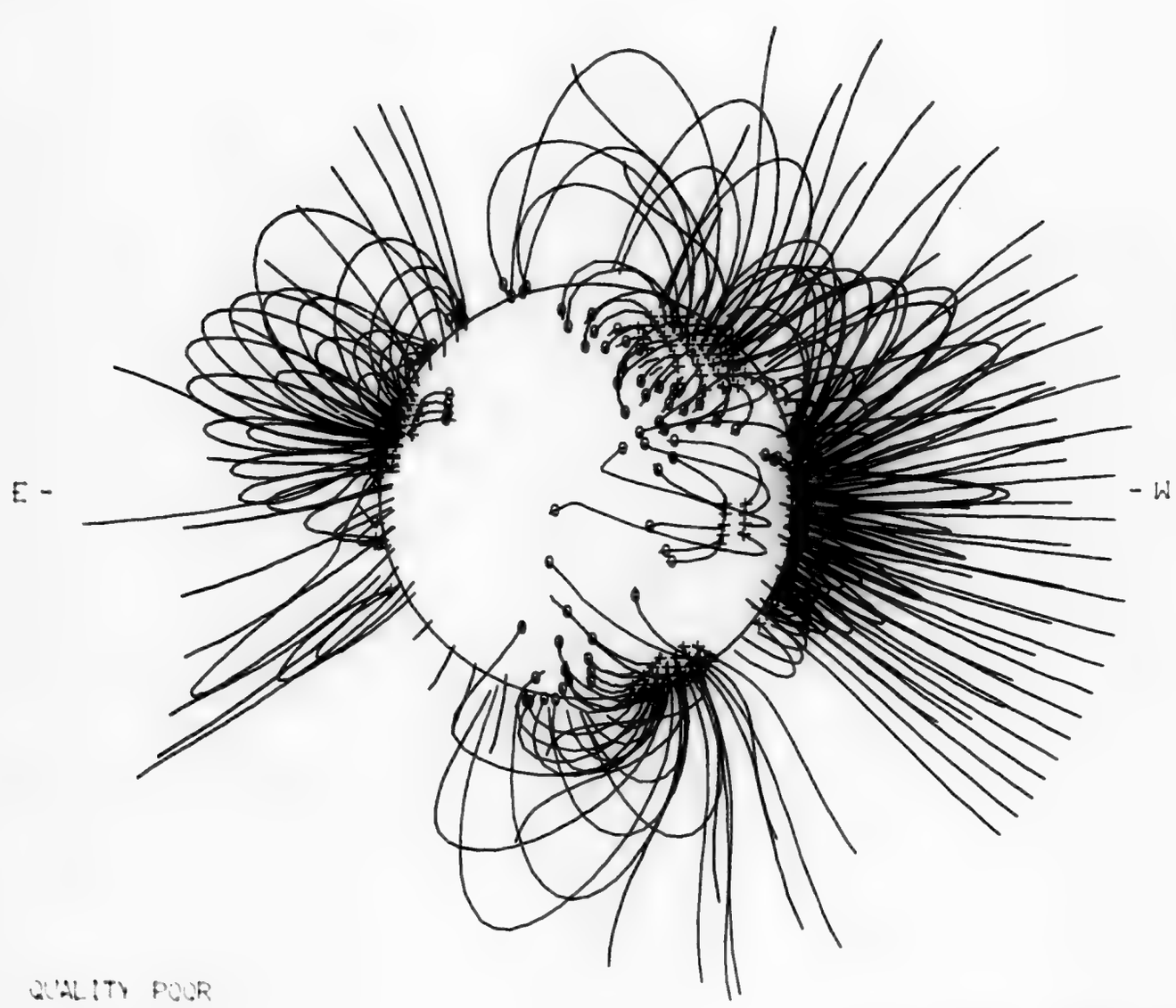
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 70°

15.8 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

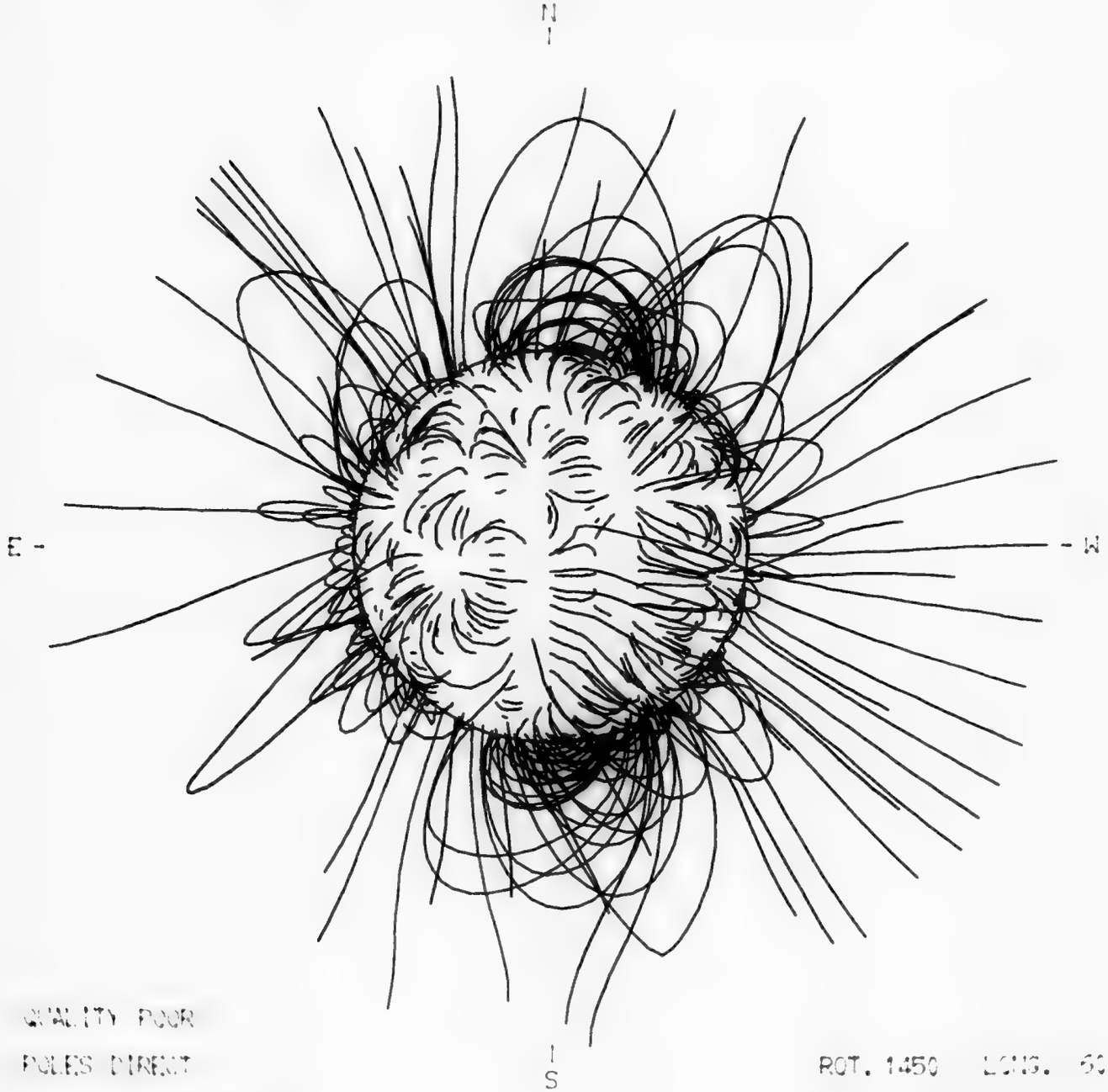
POLES DIRECT

DATA WINDOW 1.850.00

ROT. 1450 LONG. 70°

15.8 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 60°

16.6 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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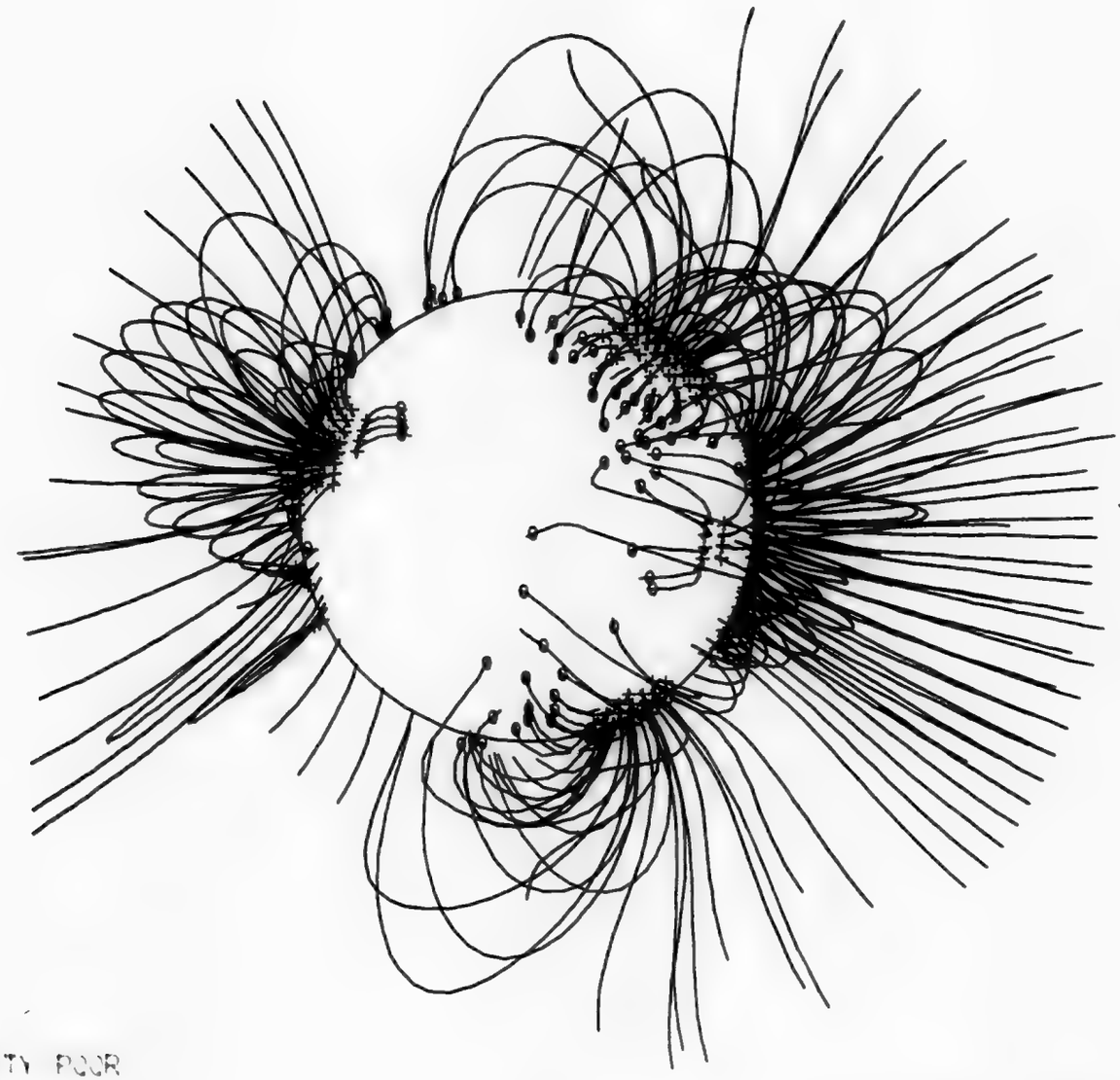


QUALITY POOR

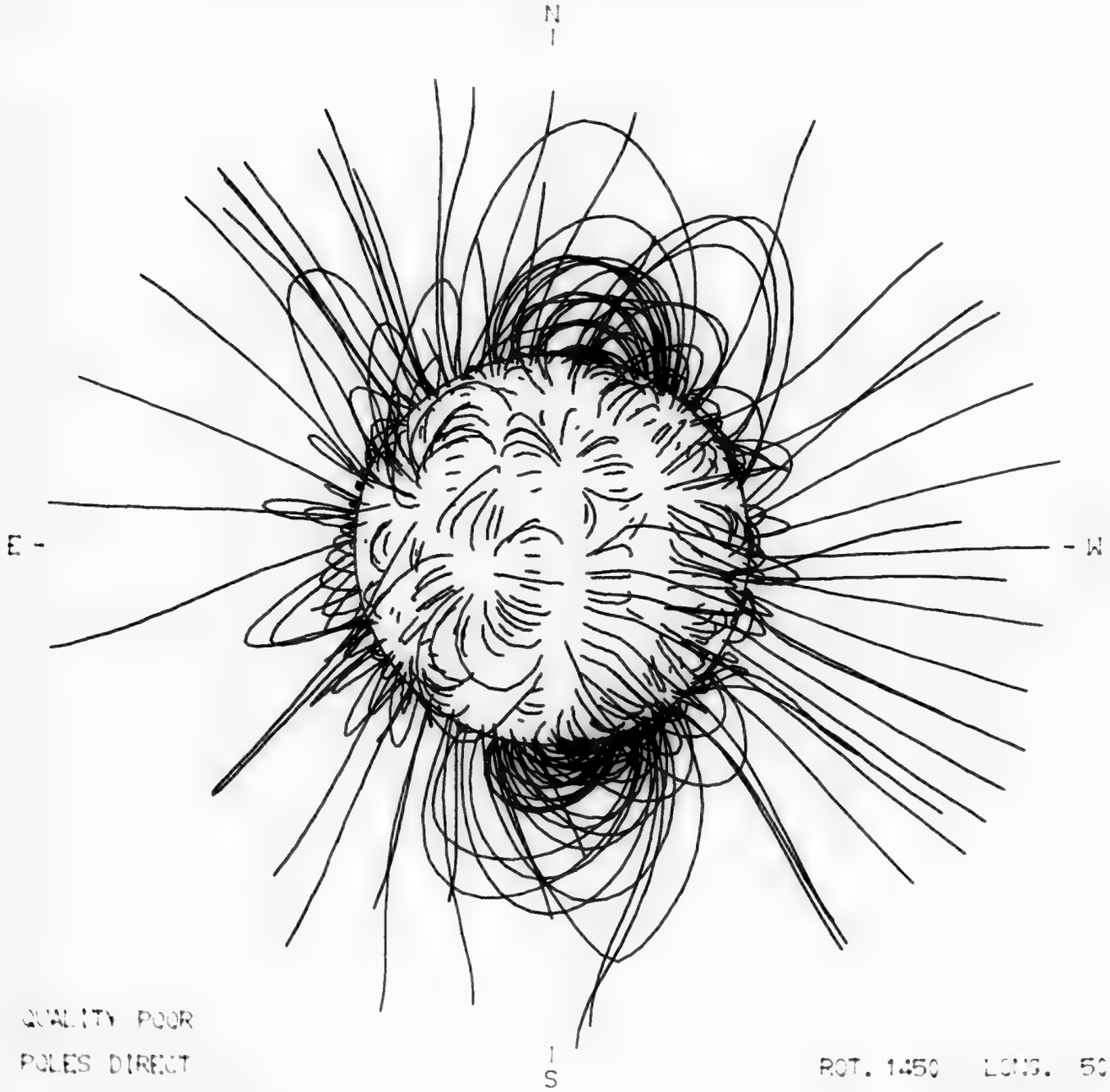
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 50°

16.6 FEB 1962

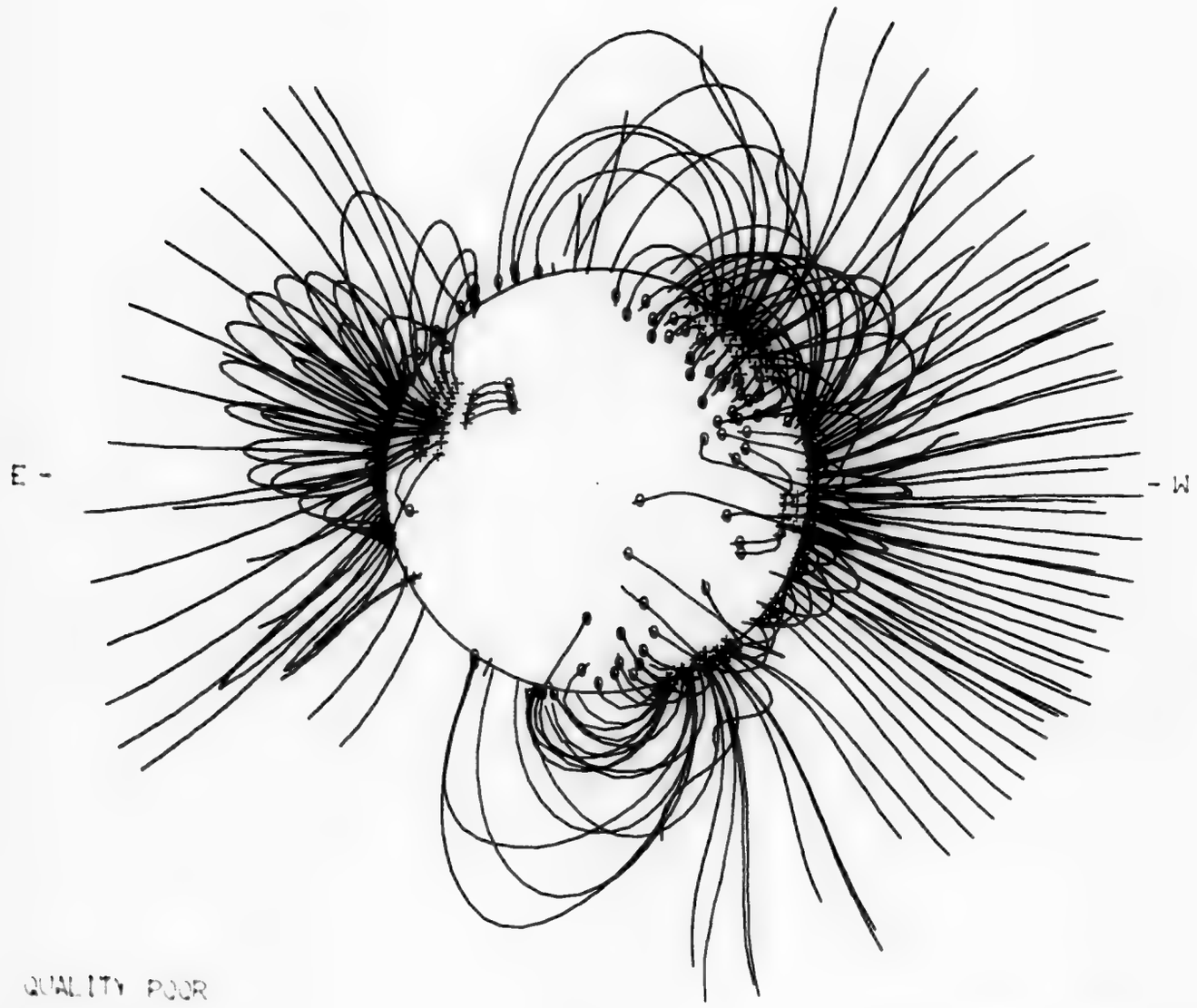
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1.050.00

ROT. 1450 LONG. 50°
17.3 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

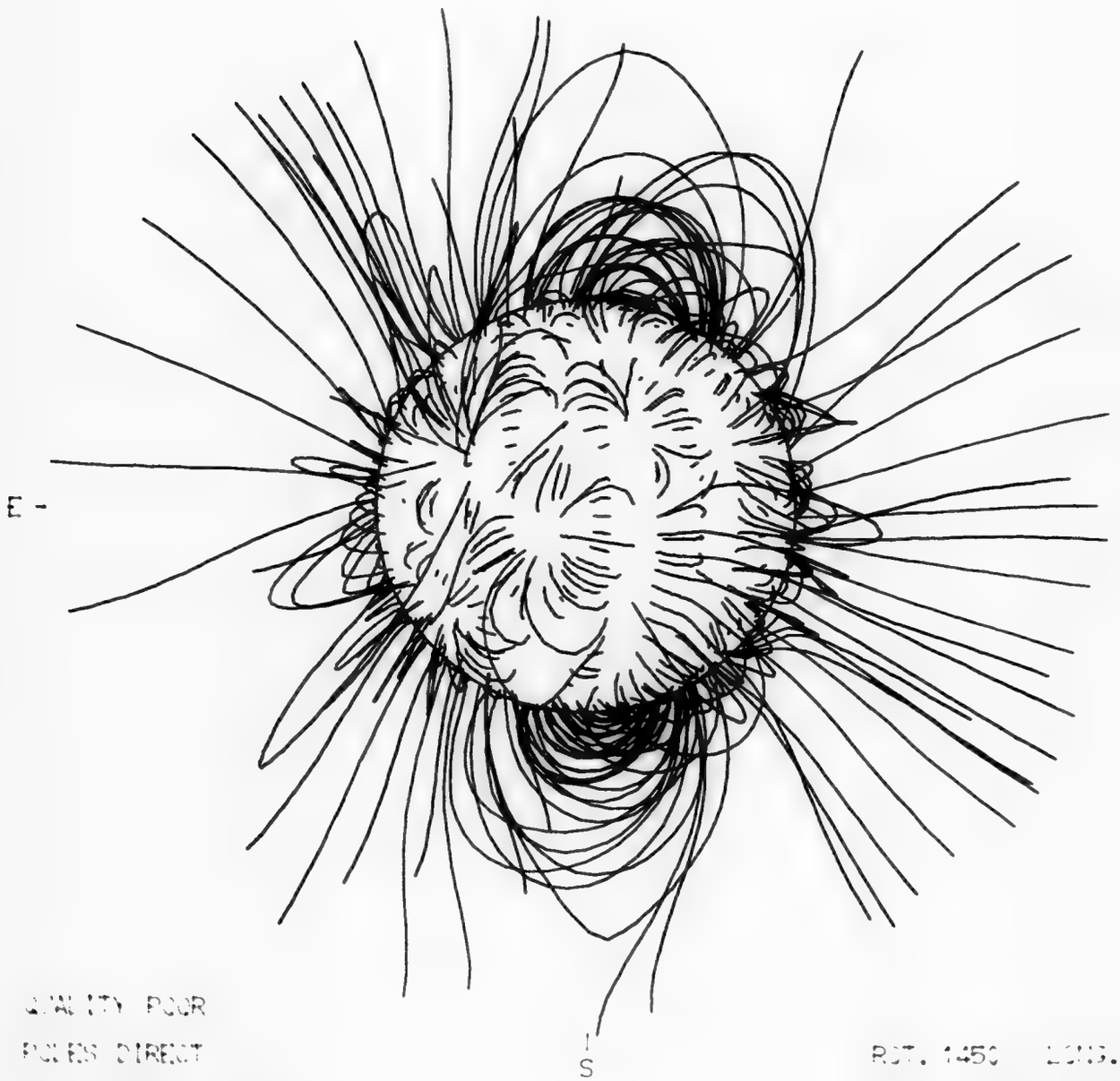
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 50°

17.3 FEB 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

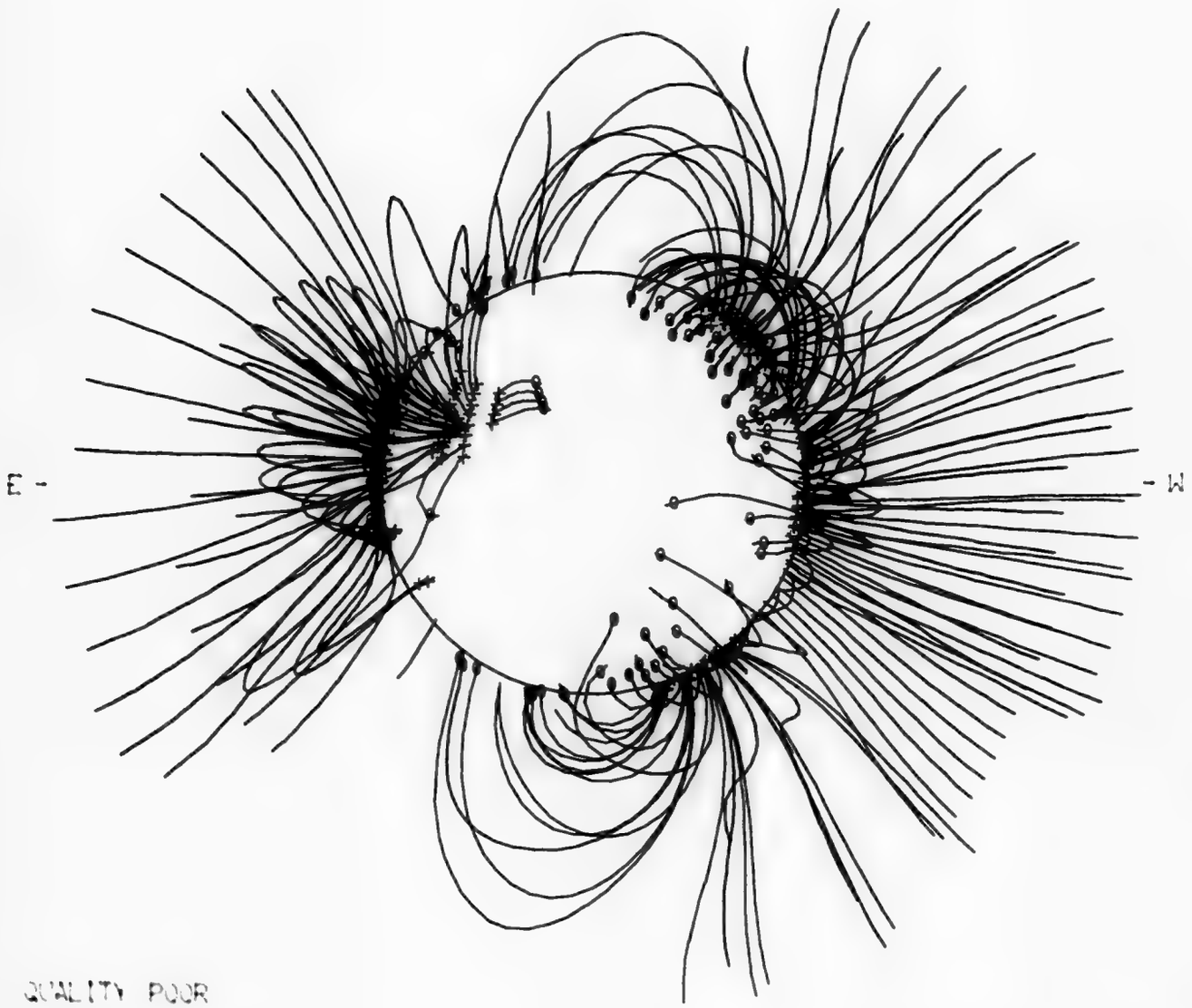
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 40°

18.1 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

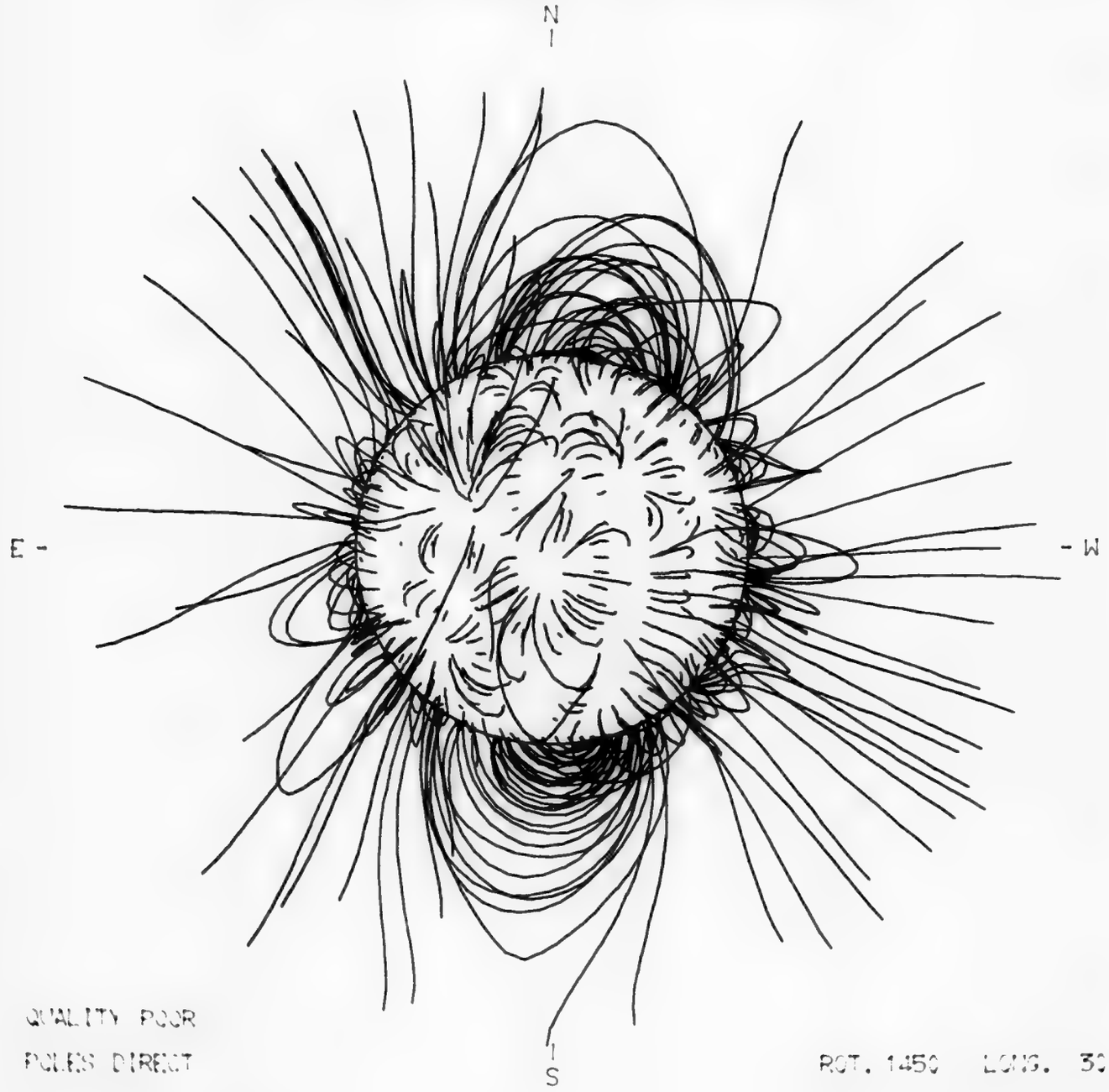
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 40°

18.1 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

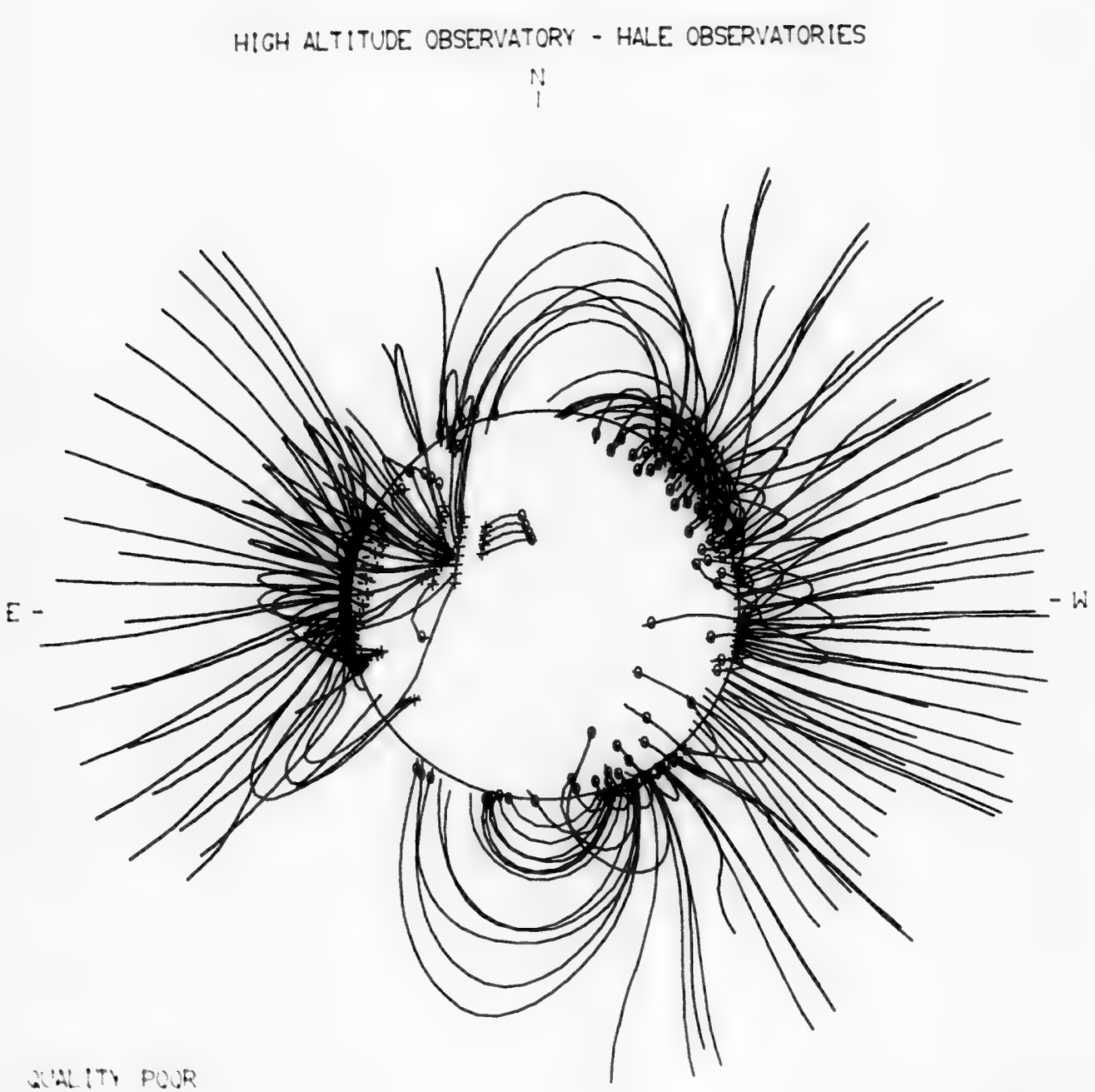
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 30°

18.8 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

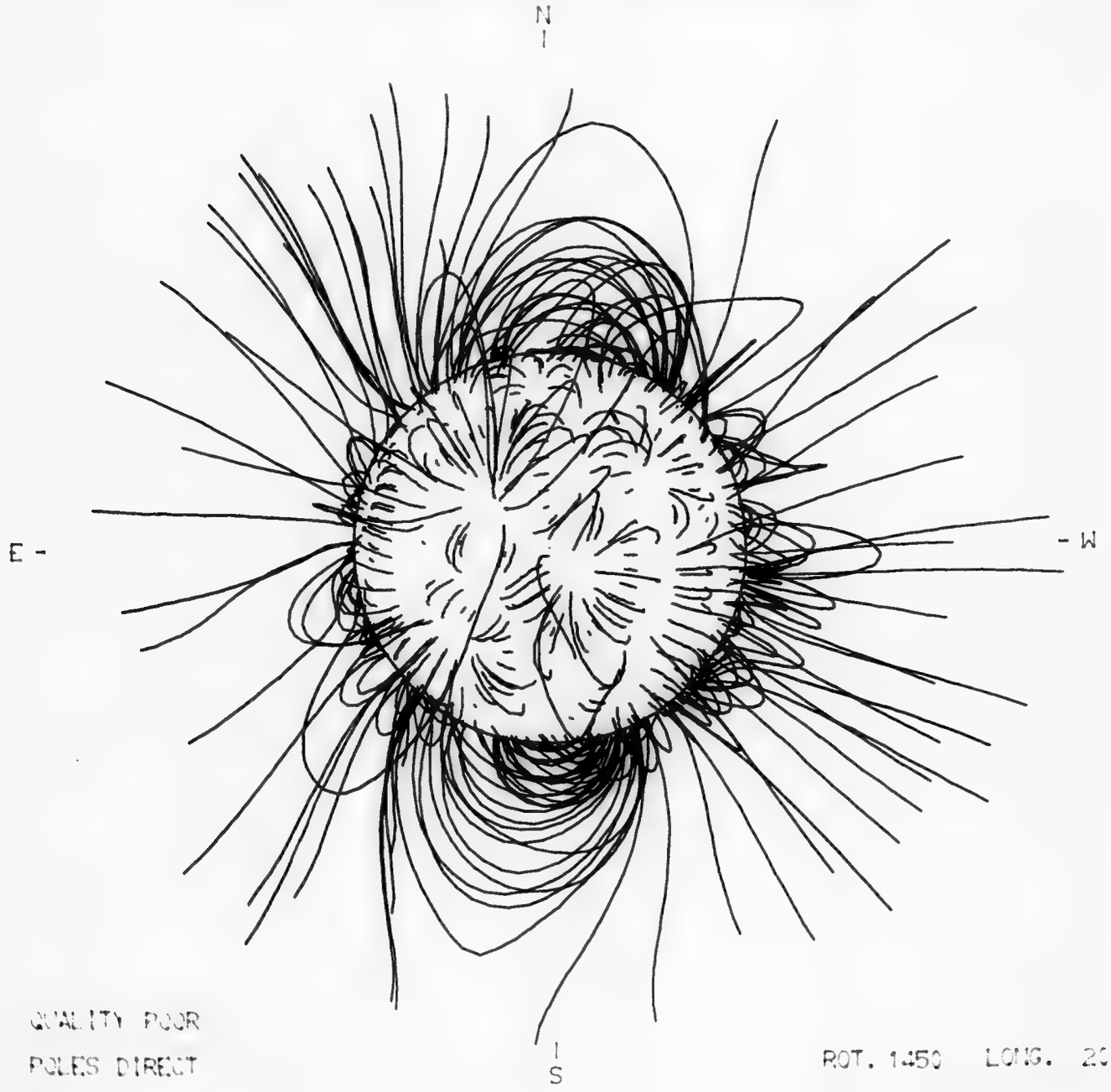
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 30°

18.8 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

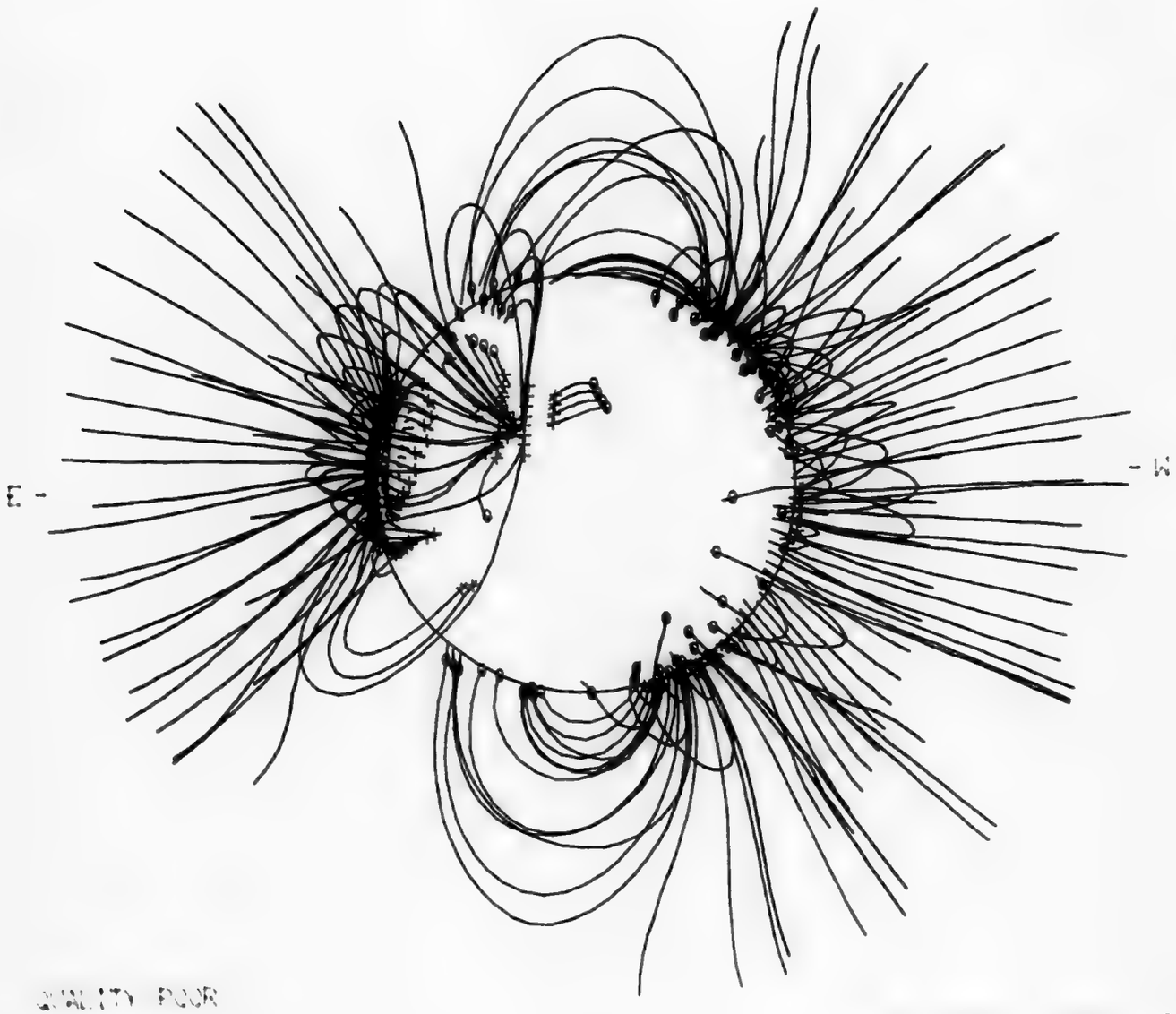
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 20°

19.6 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 25°

19.6 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

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QUALITY POOR

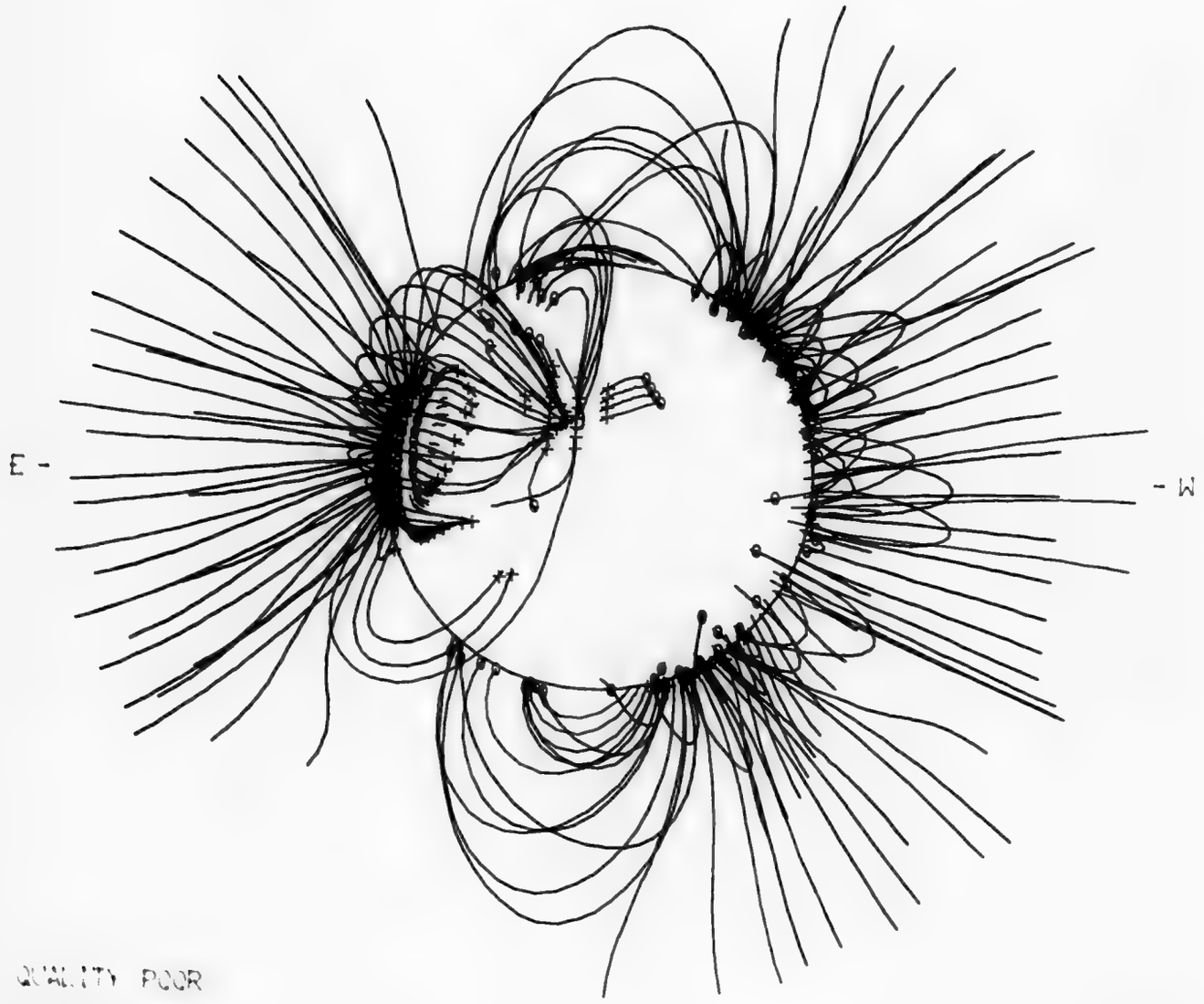
POLES DIRECT

DATA WINDOW 1350.00

ROT. 1450 LONG. 10°

20.4 FEB 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.050.00

ROT. 1450 LONG. 10°

20.4 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

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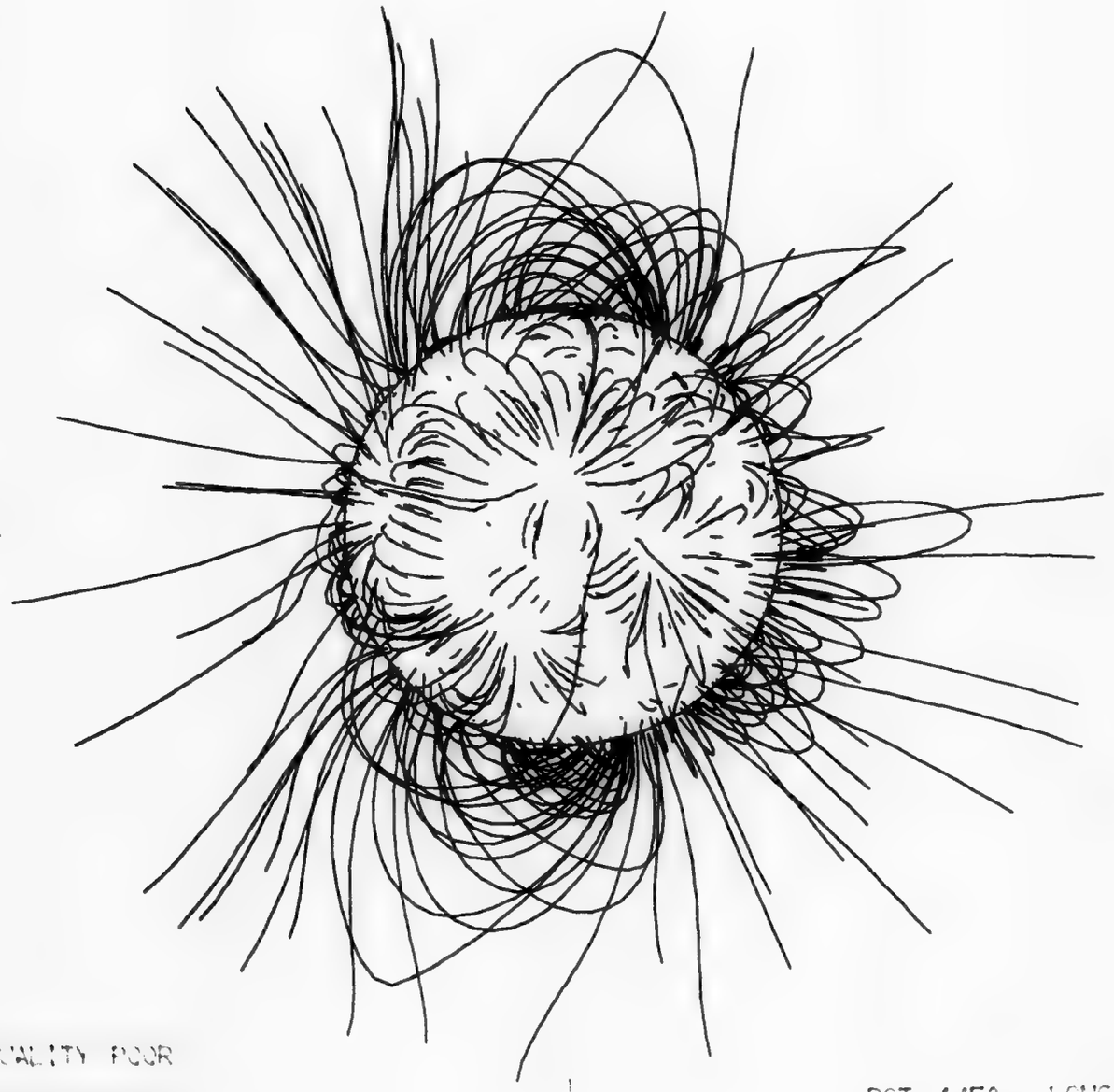


QUALITY POOR

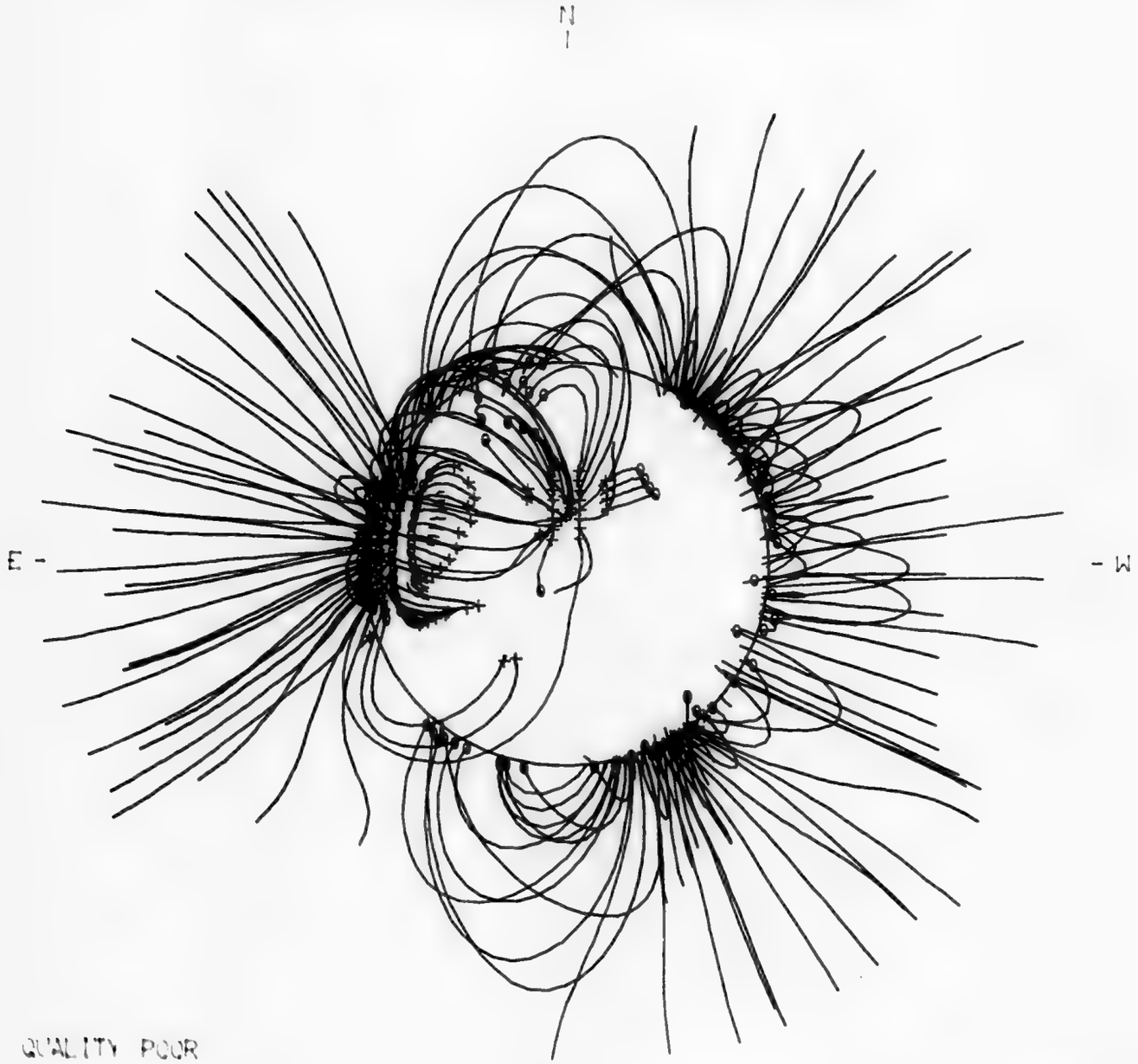
POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 0°

21.1 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1450.00

ROT. 1450 LONG. 0°

21.1 FEB 1962

NO OBSERVATIONS
ROT. 1451 LONG. 350--ROT. 1451 LONG. 320
21.2 FEB 1962--24.2 FEB 1962

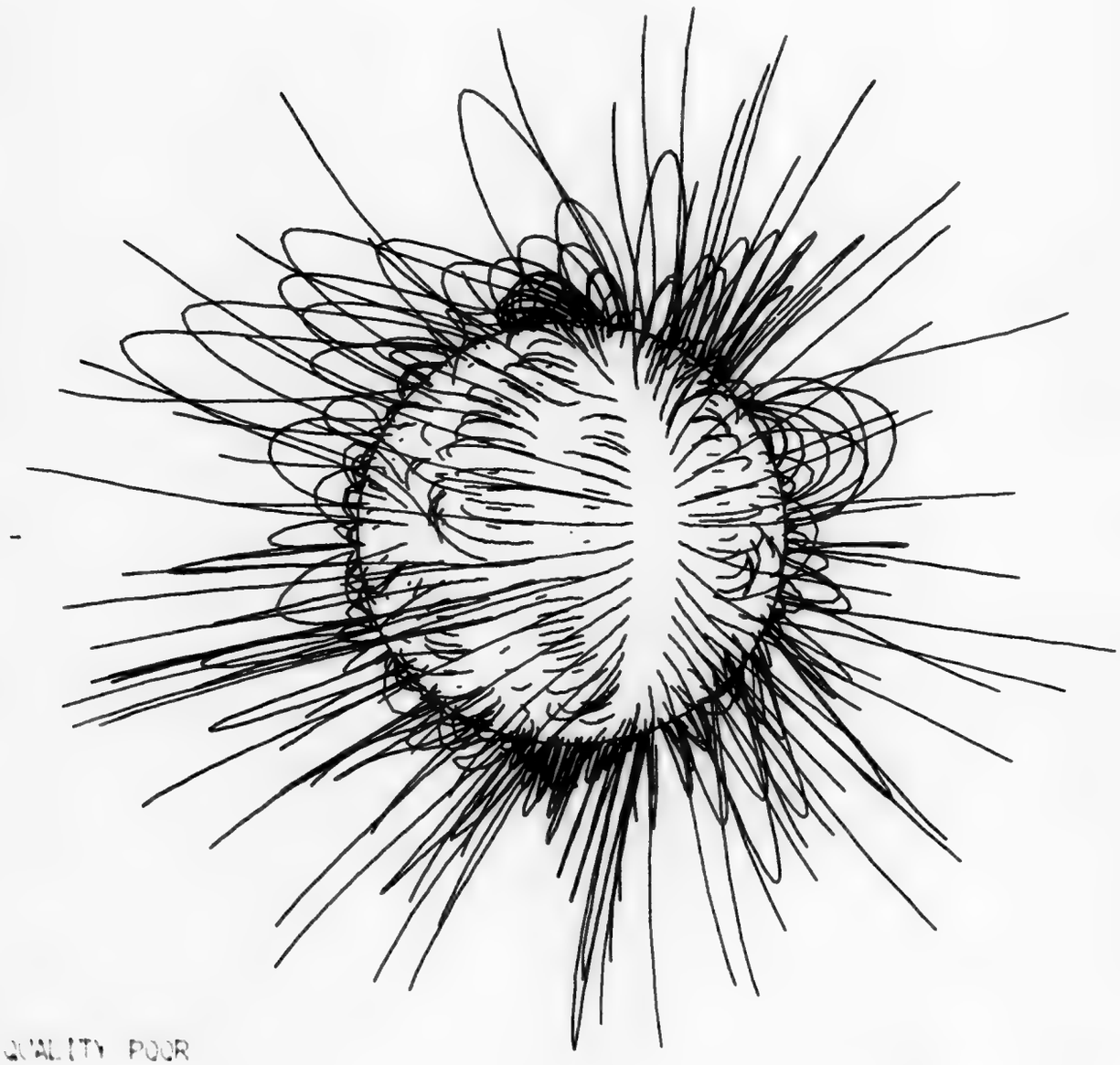
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

POLES DIRECT

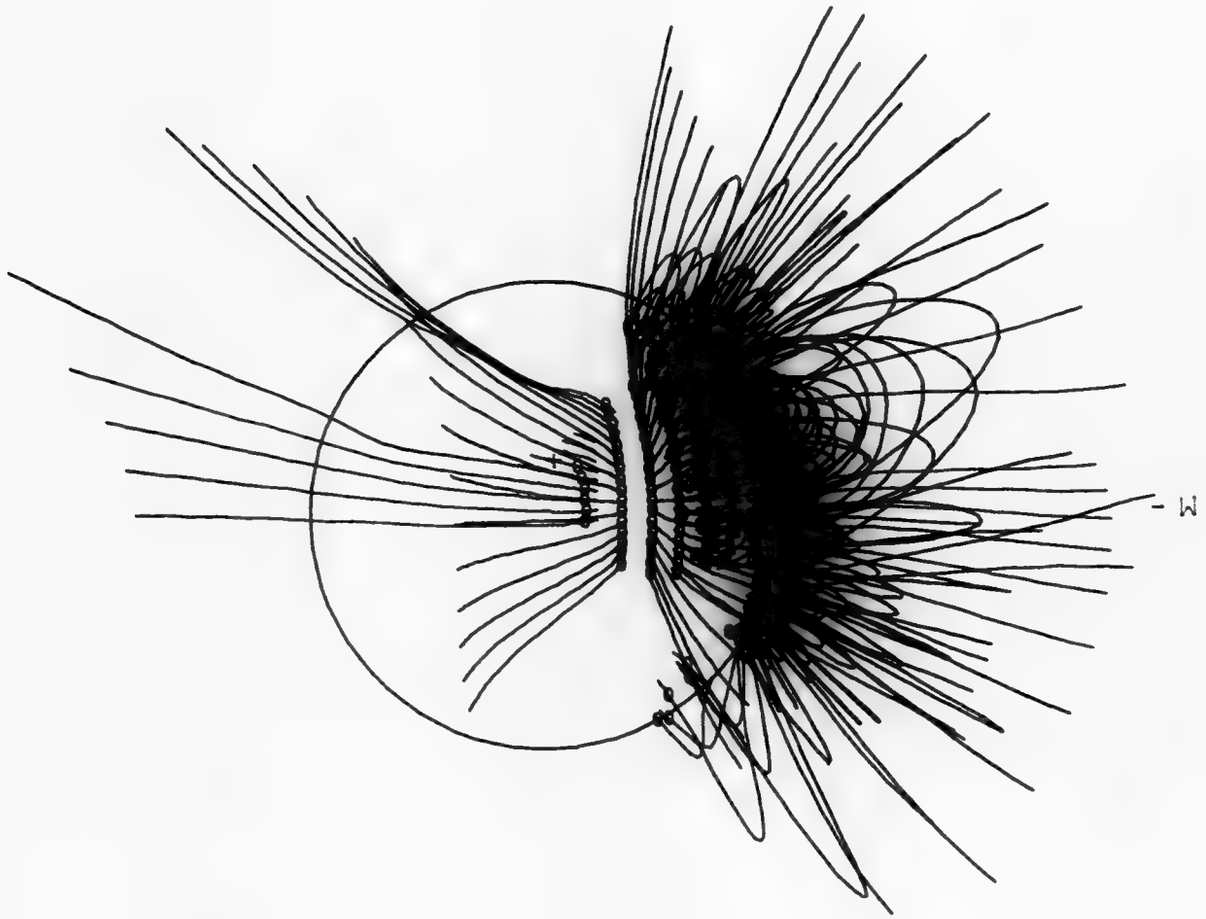
DATA WINDOW 1451.11

ROT. 1451 LONG. 3[illegible]°

25.0 FEB 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



S

QUALITY POOR

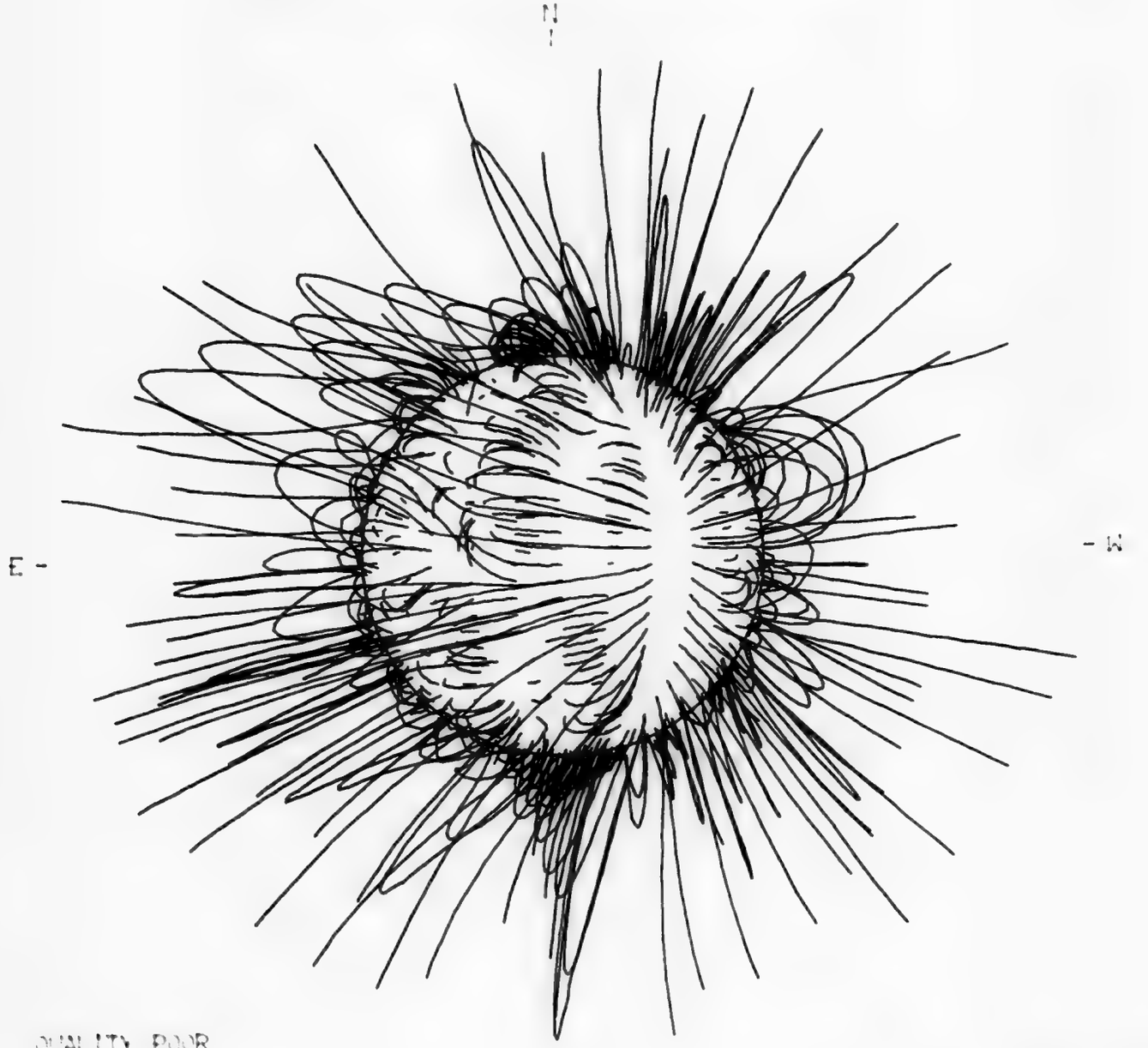
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 310°

25.0 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

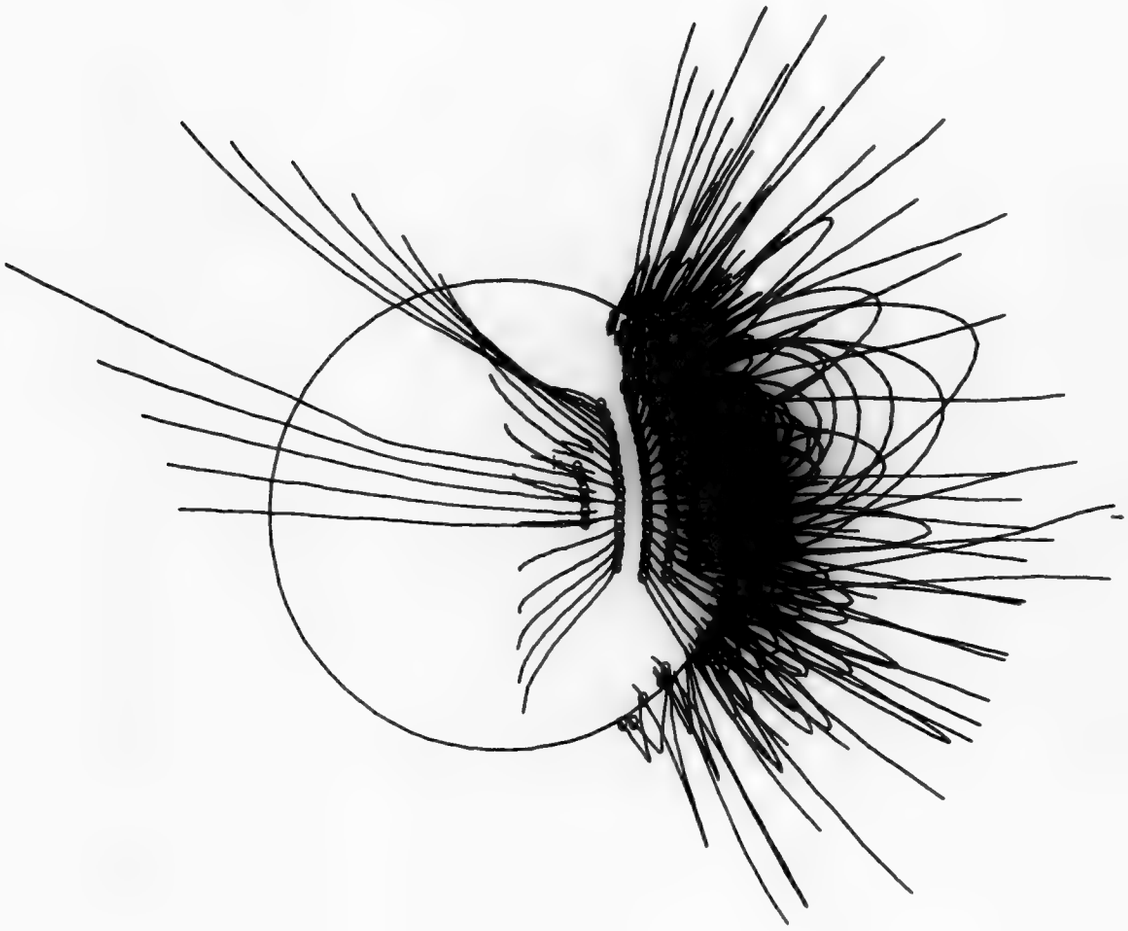
DATA NUMBER 1451.11

ROT. 1451 LONG. 300°

25.7 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

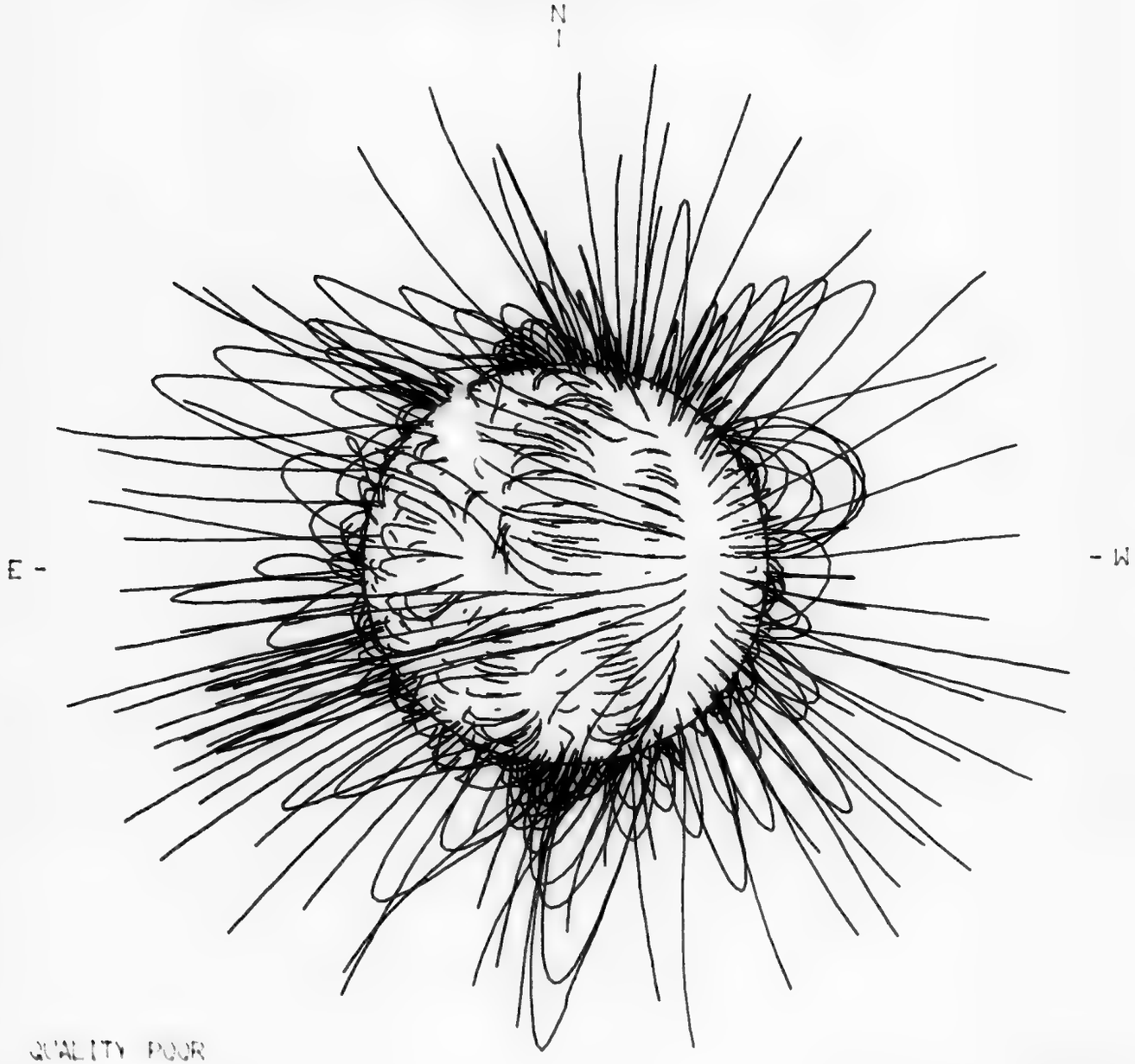
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 300°

25.7 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1451.11

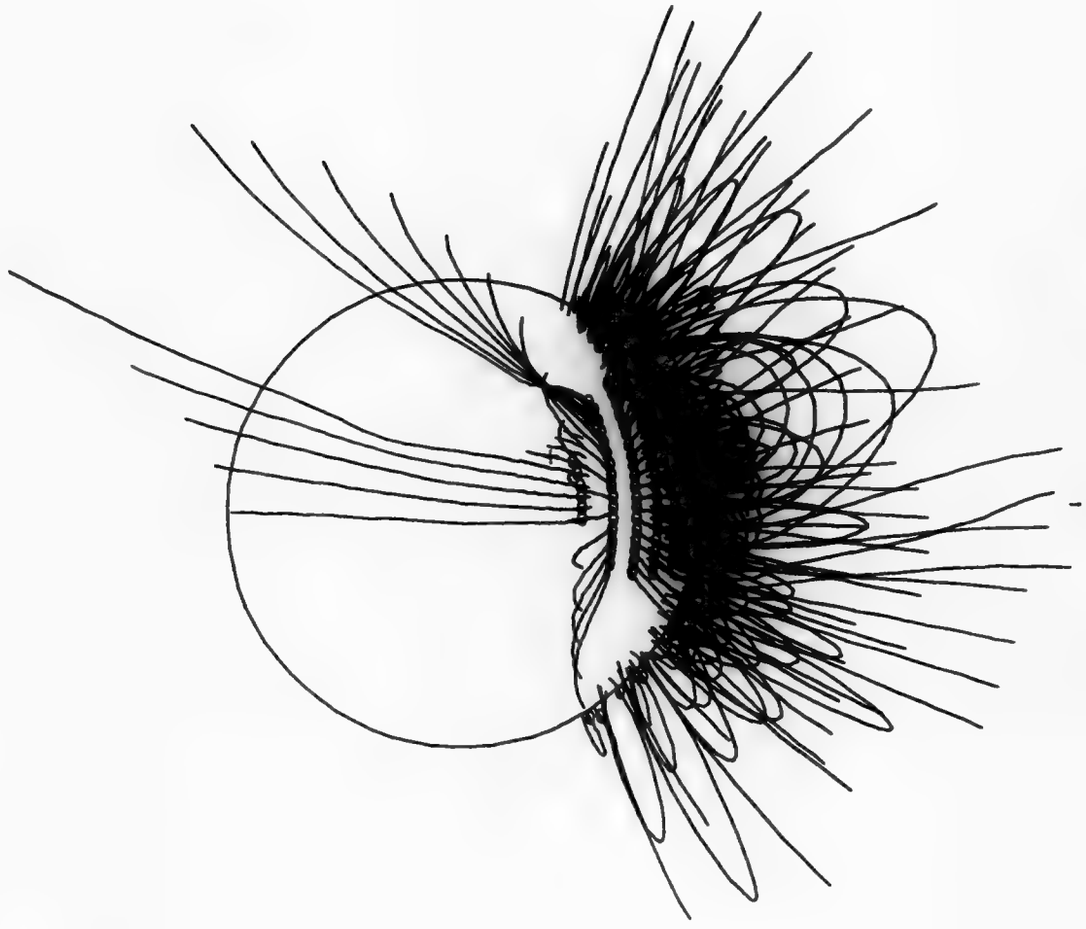
ROT. 1451 LONG. 290°

26.5 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

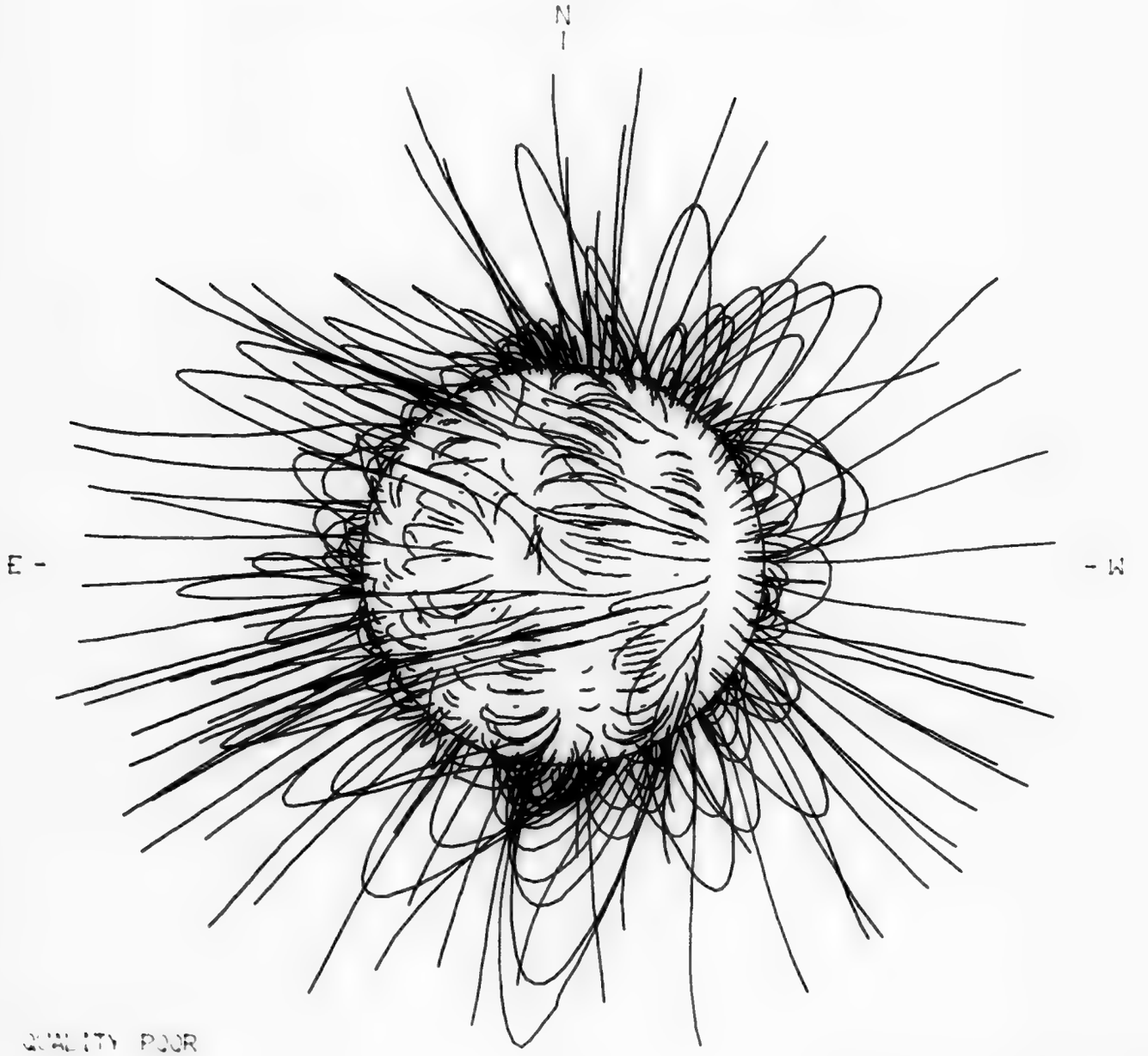
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 290°

26.5 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1451.11

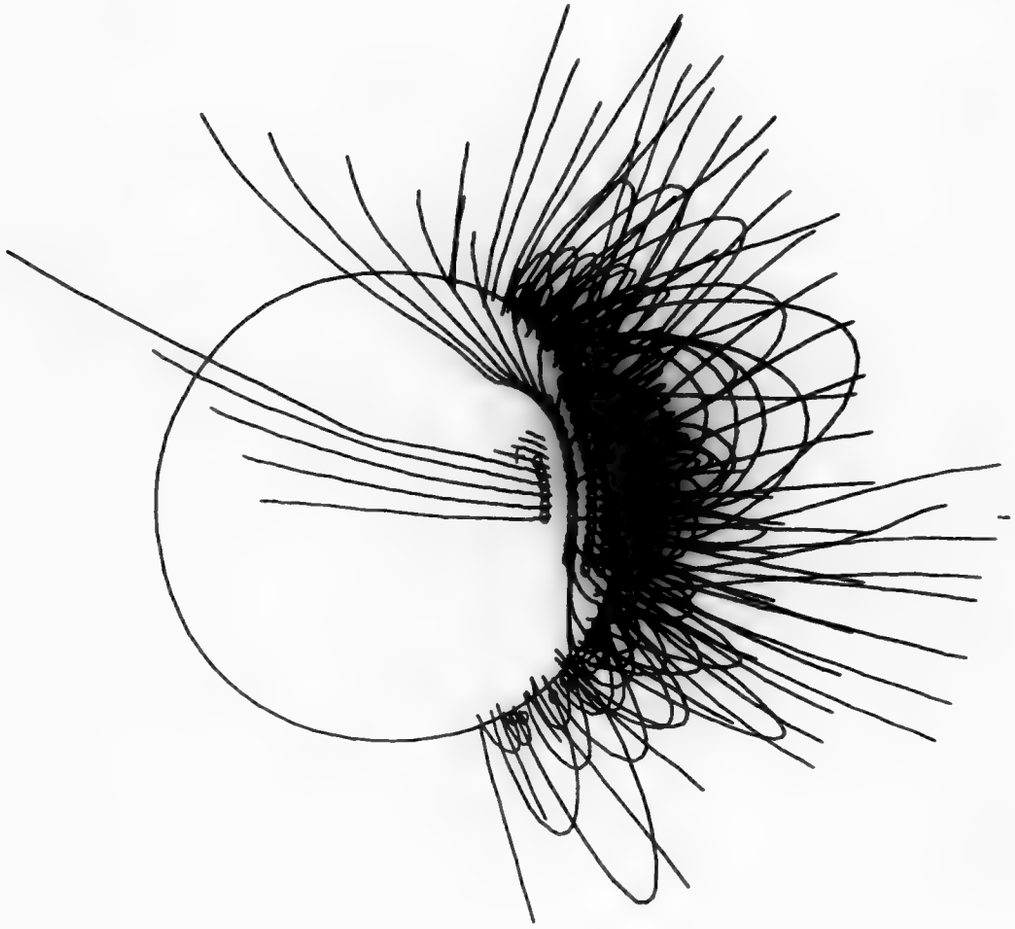
ROT. 1451 LONG. 280°

27.2 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

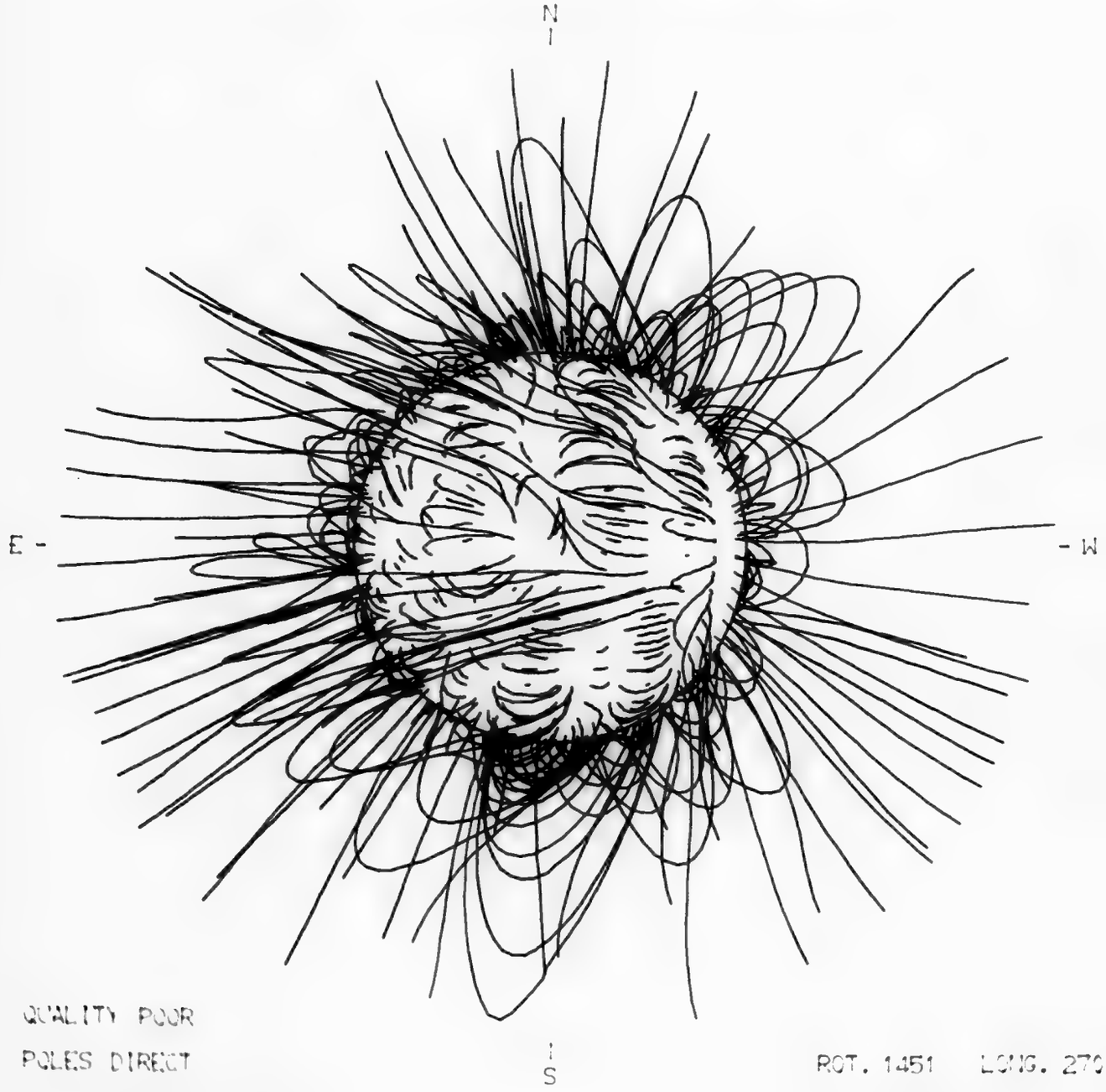
POLES DIRECT

DATA WINDOW 1351.11

ROT. 1451 LONG. 280°

27.2 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1451.11

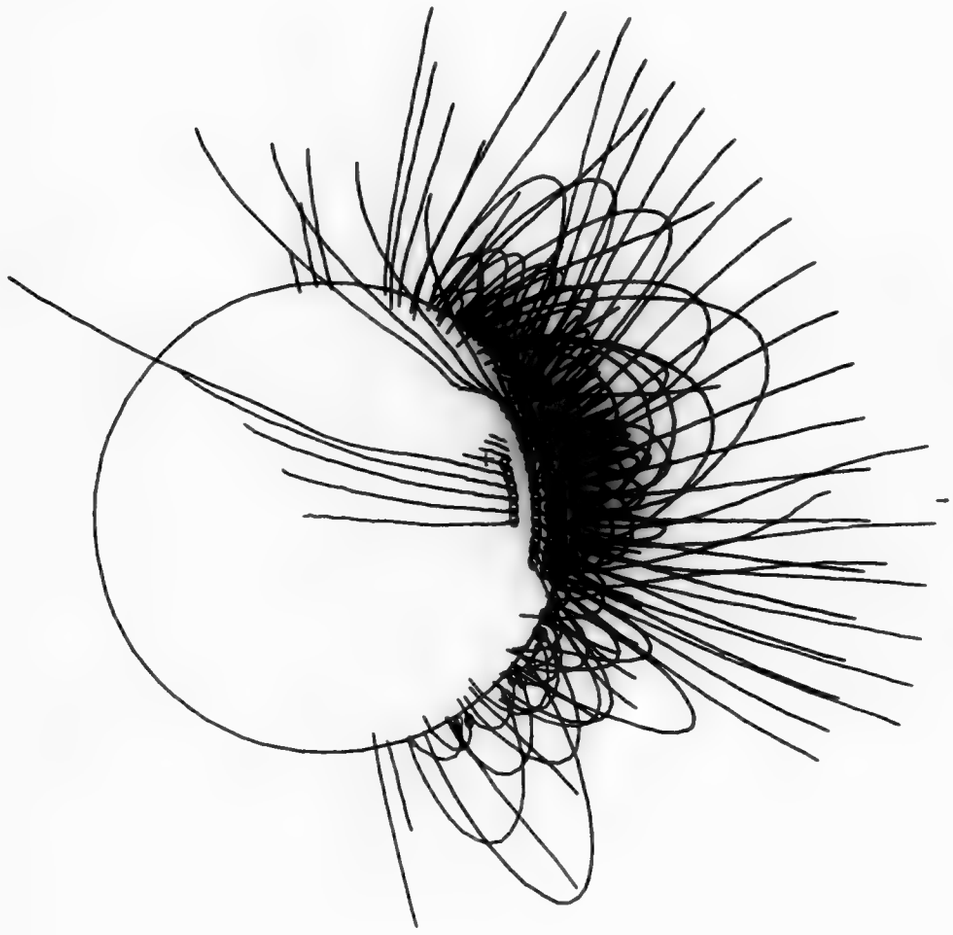
ROT. 1451 LONG. 270°

28.0 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

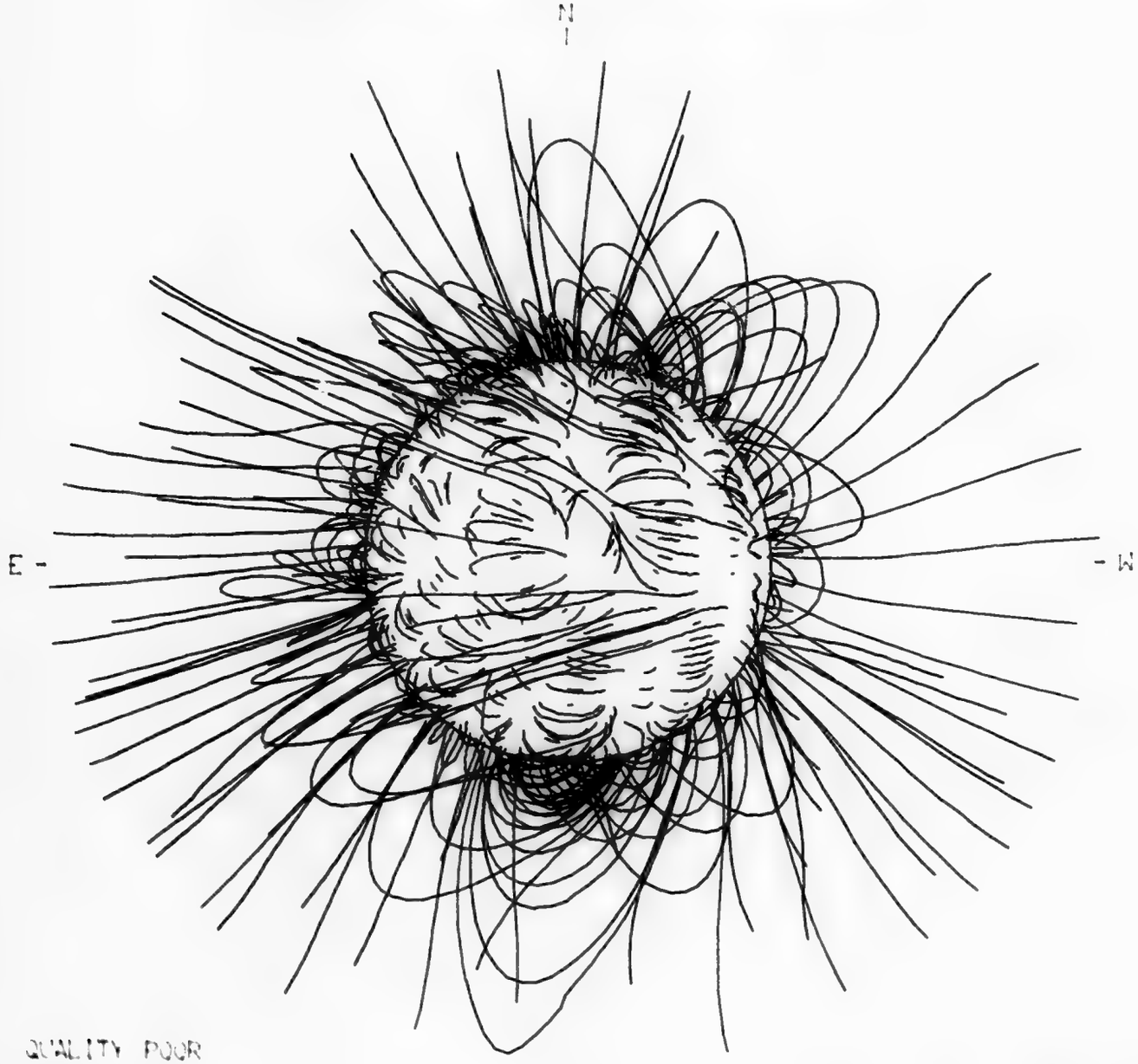
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 270°

28.0 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1451.11

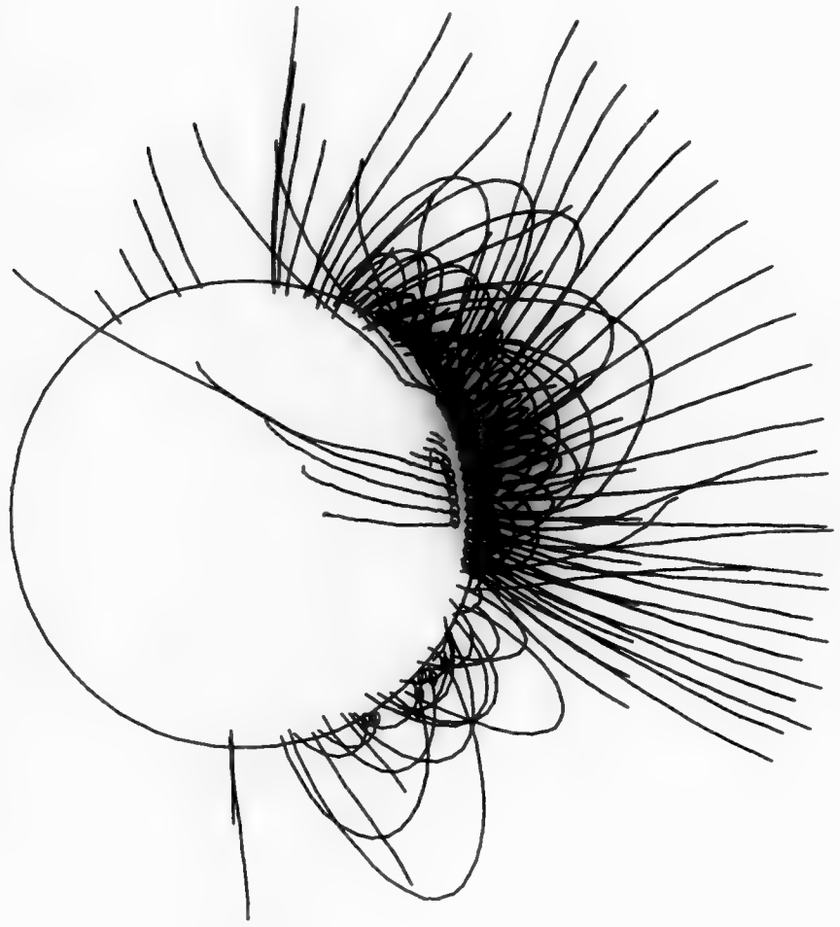
ROT. 1451 LONG. 251°

28.8 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

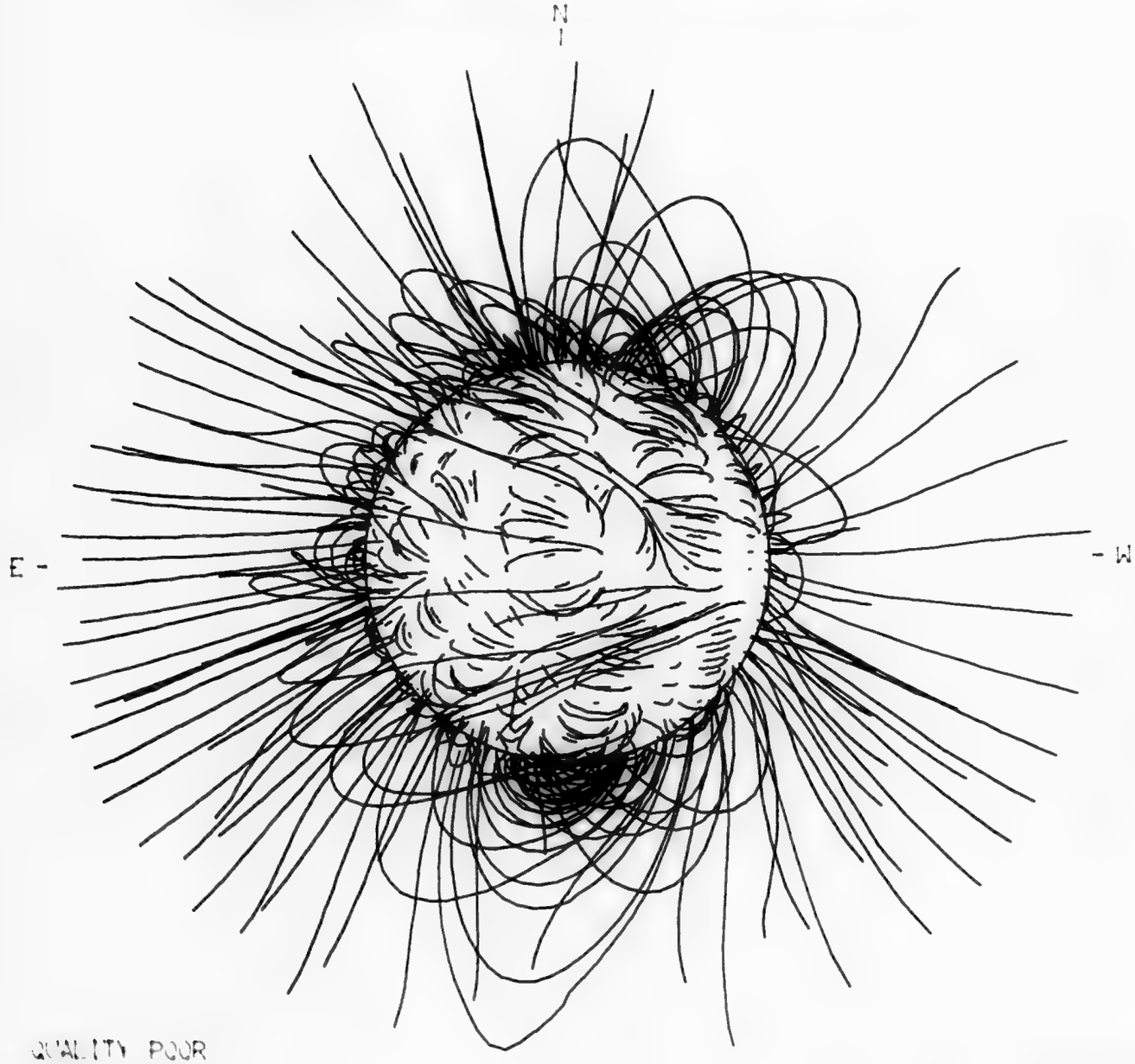
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 250°

28.8 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

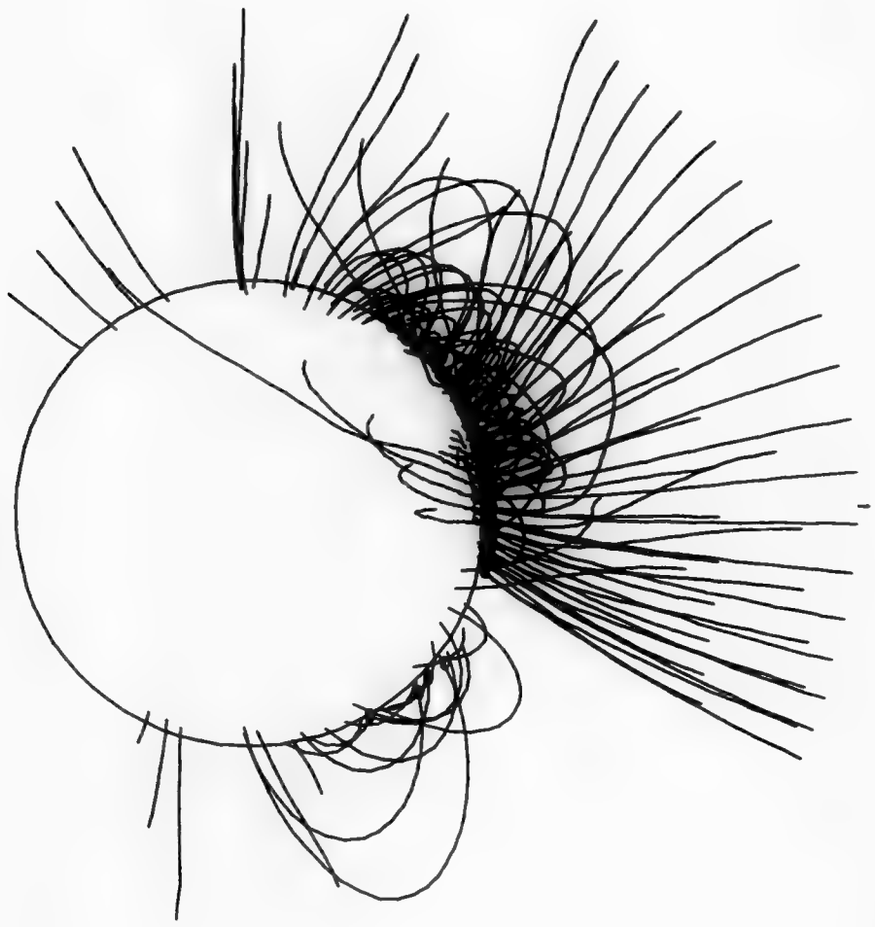


QUALITY POOR
POLES DIRECT
DATA WINDOW 1451.11

ROT. 1451 LONG. 250°
1.5 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

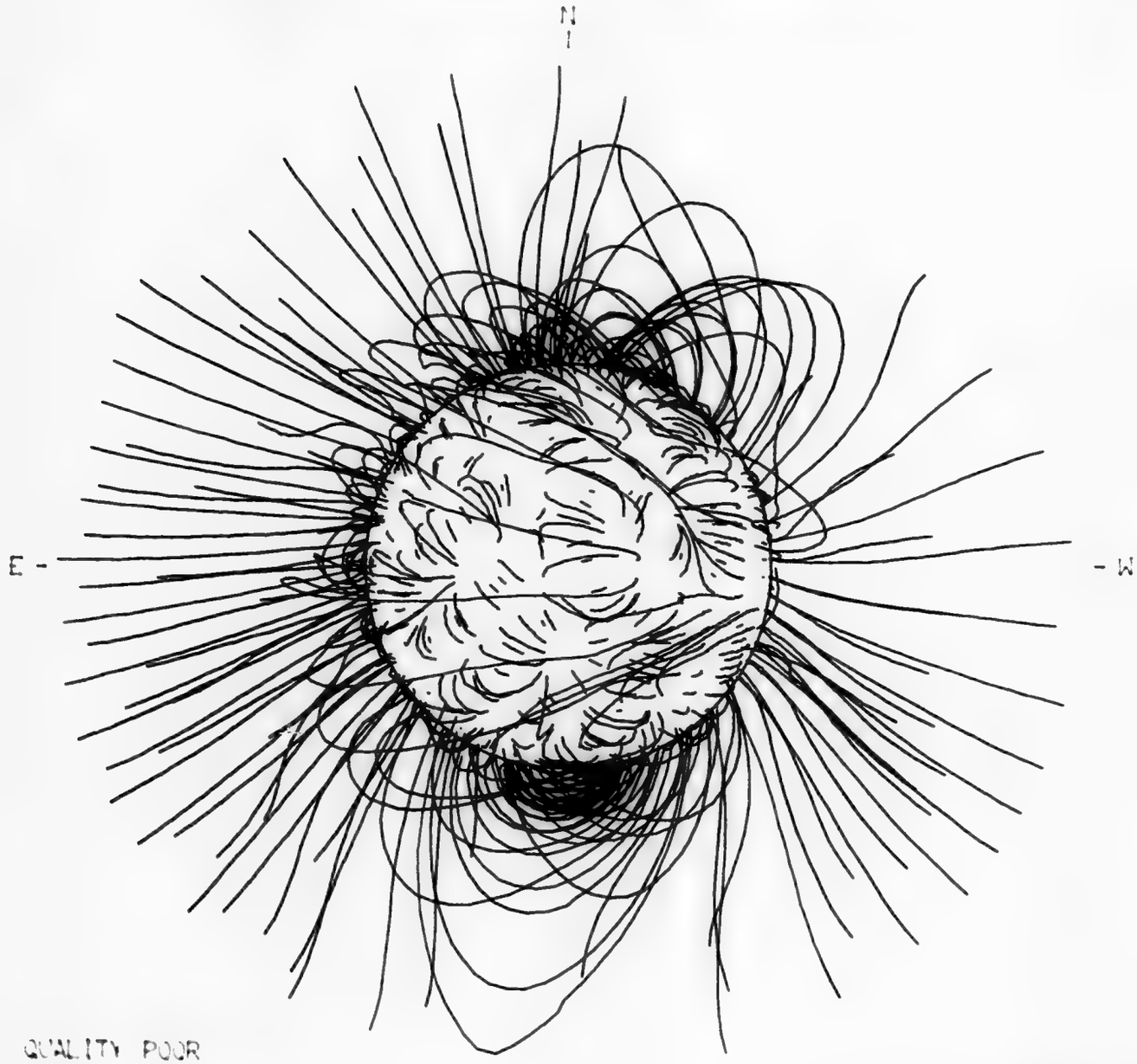
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 250°

15 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1451.11

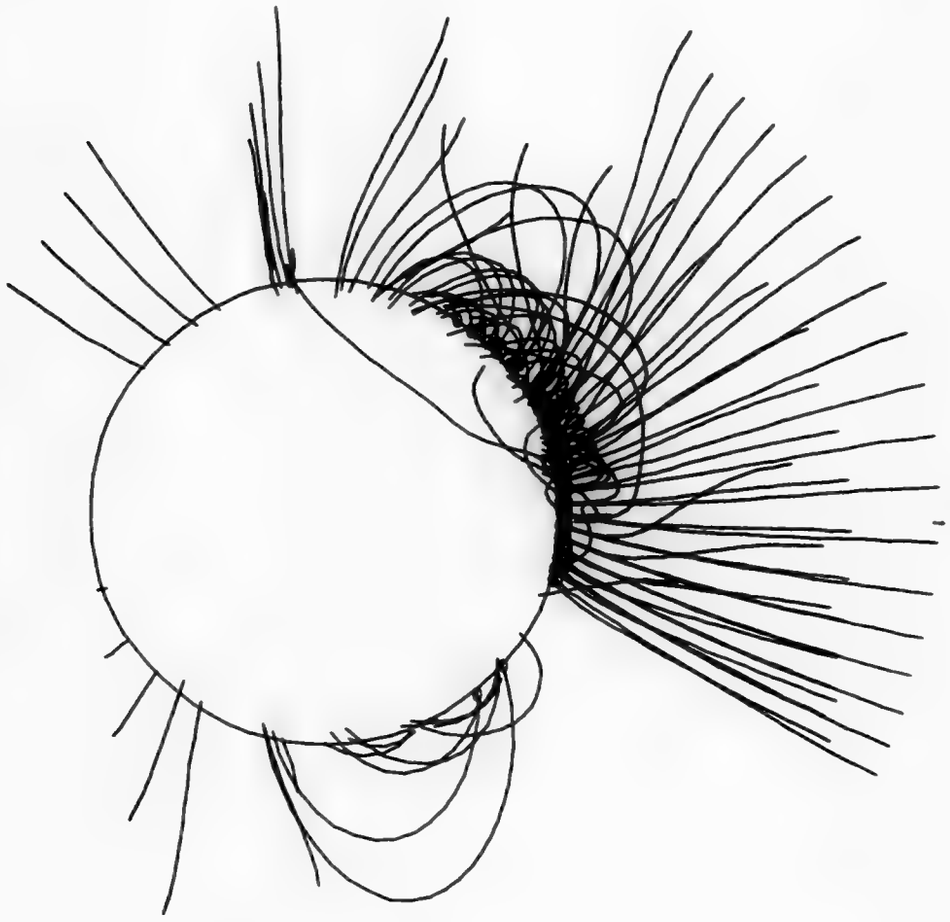
ROT. 1451 LONG. 240°

23 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

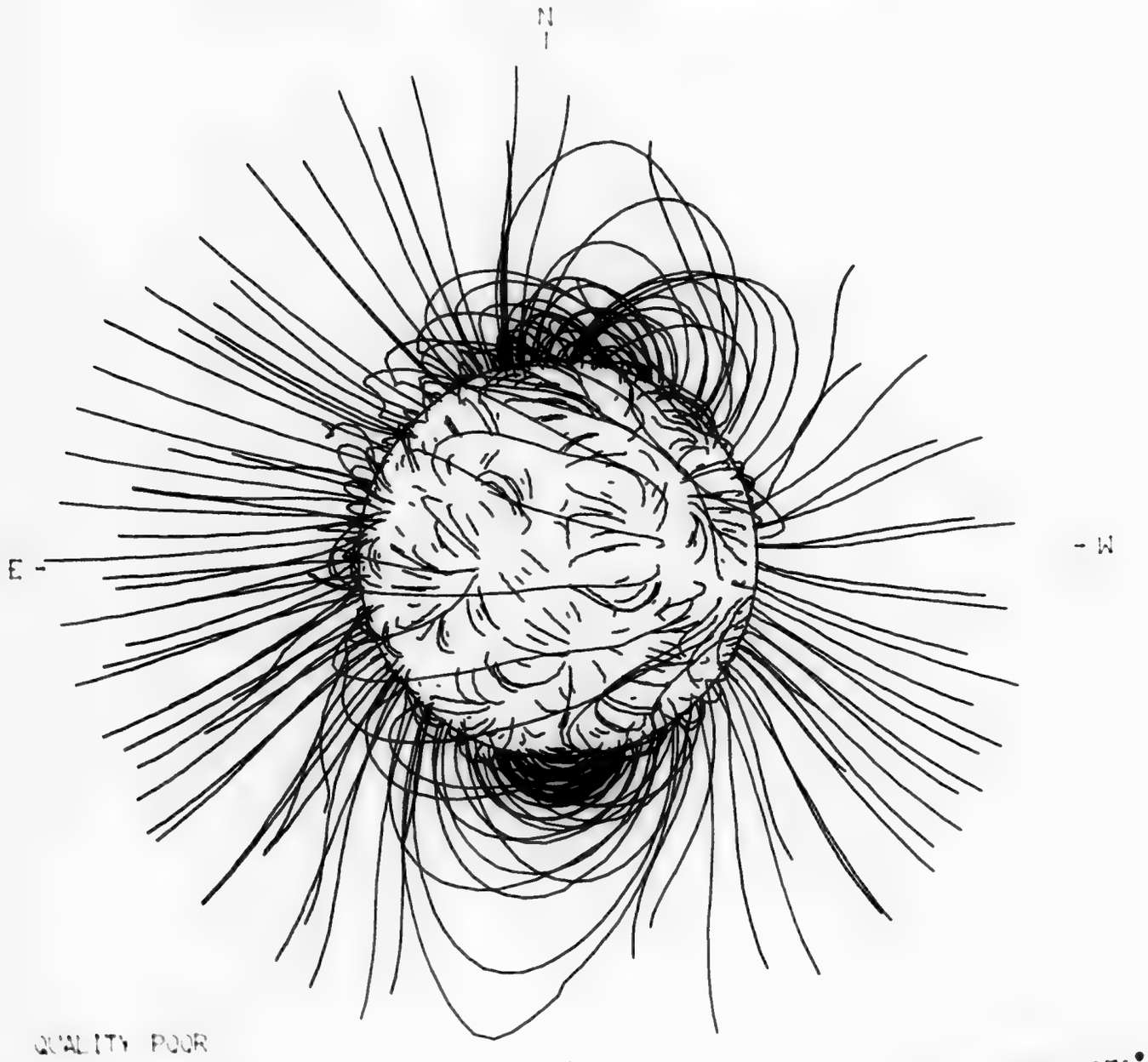
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 240°

23 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

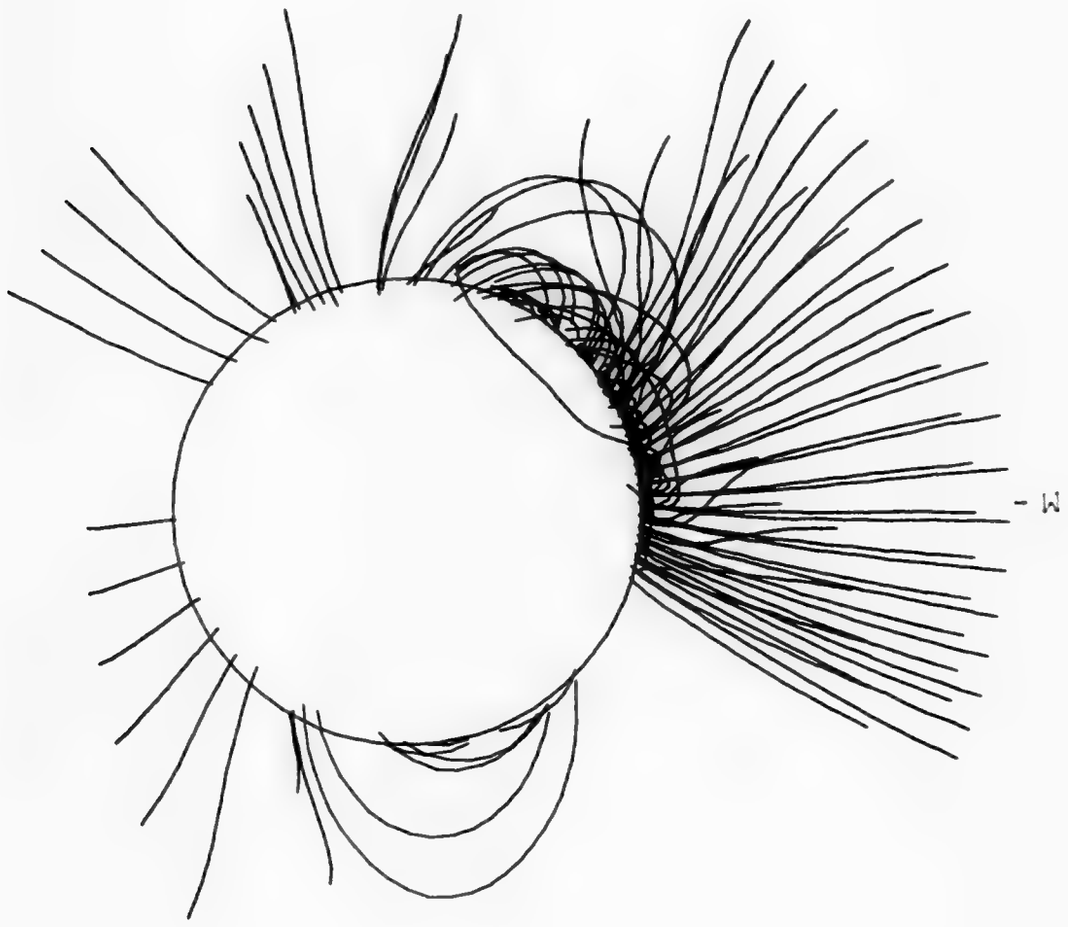
DATA WINDOW 1451.11

ROT. 1451 LONG. 230°

30 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 230°

3.0 MAR 1952

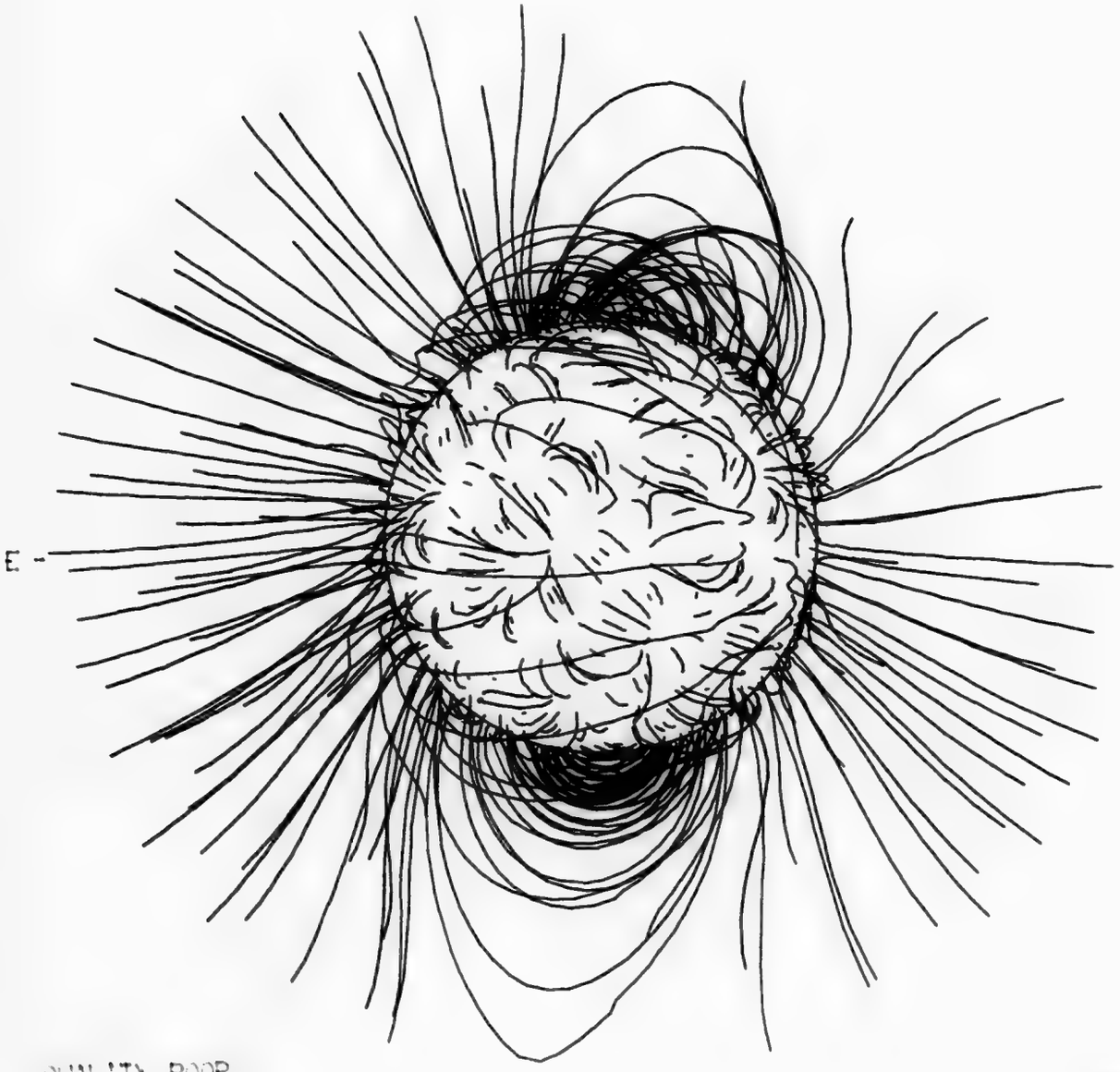
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

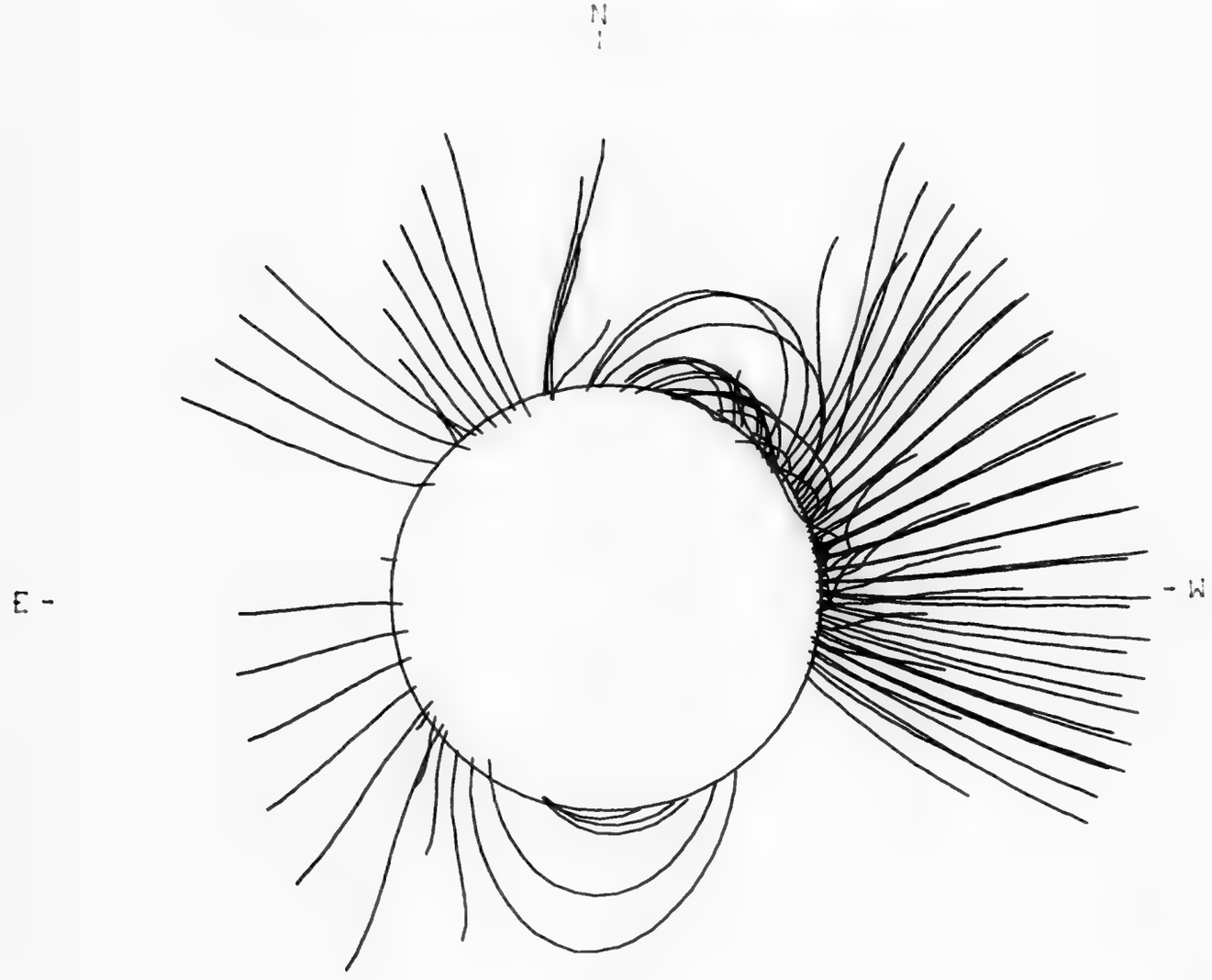
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 220°

3.8 MAR 1962

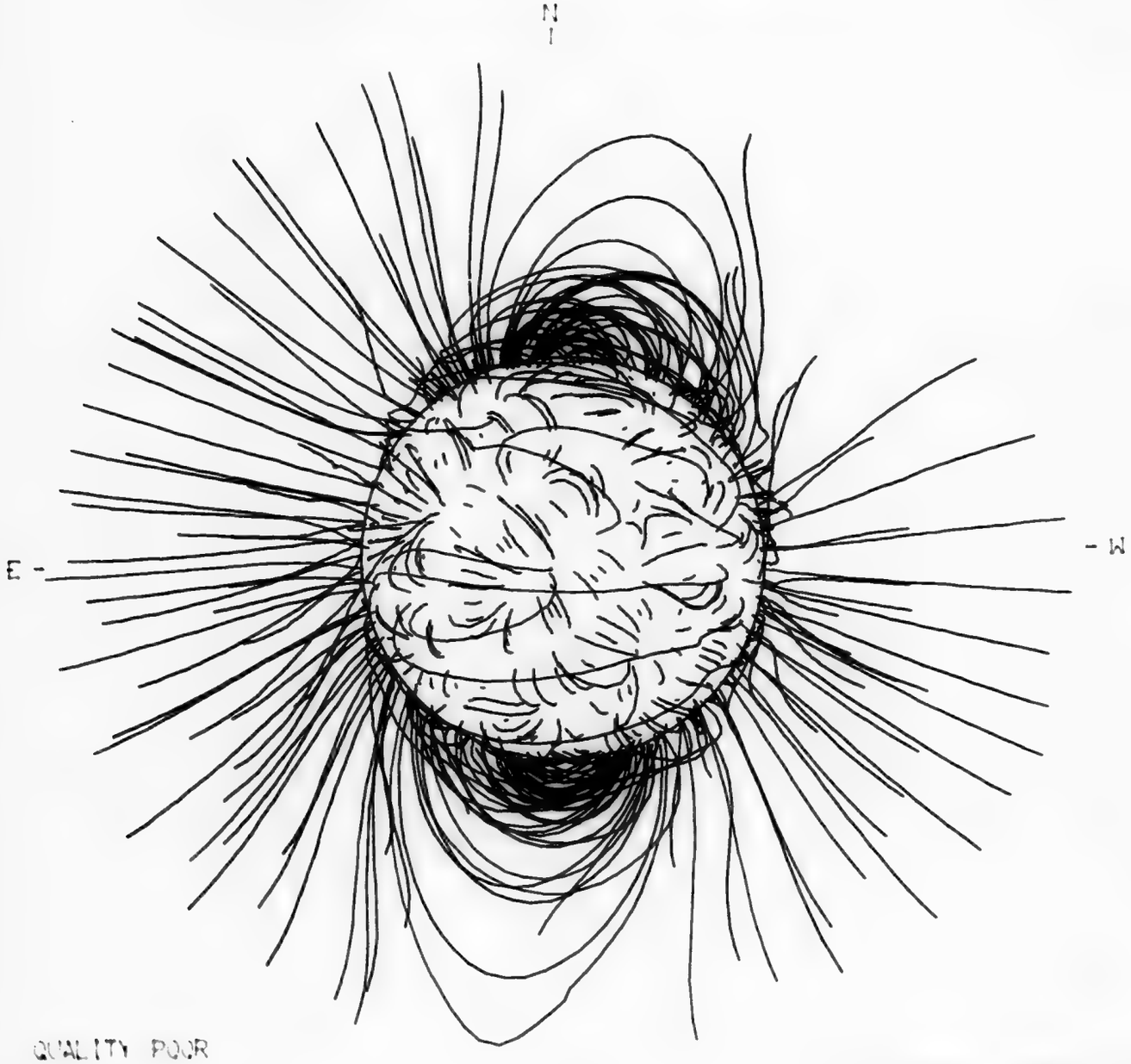
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1451.11

ROT. 1451 LONG. 220°
3.8 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

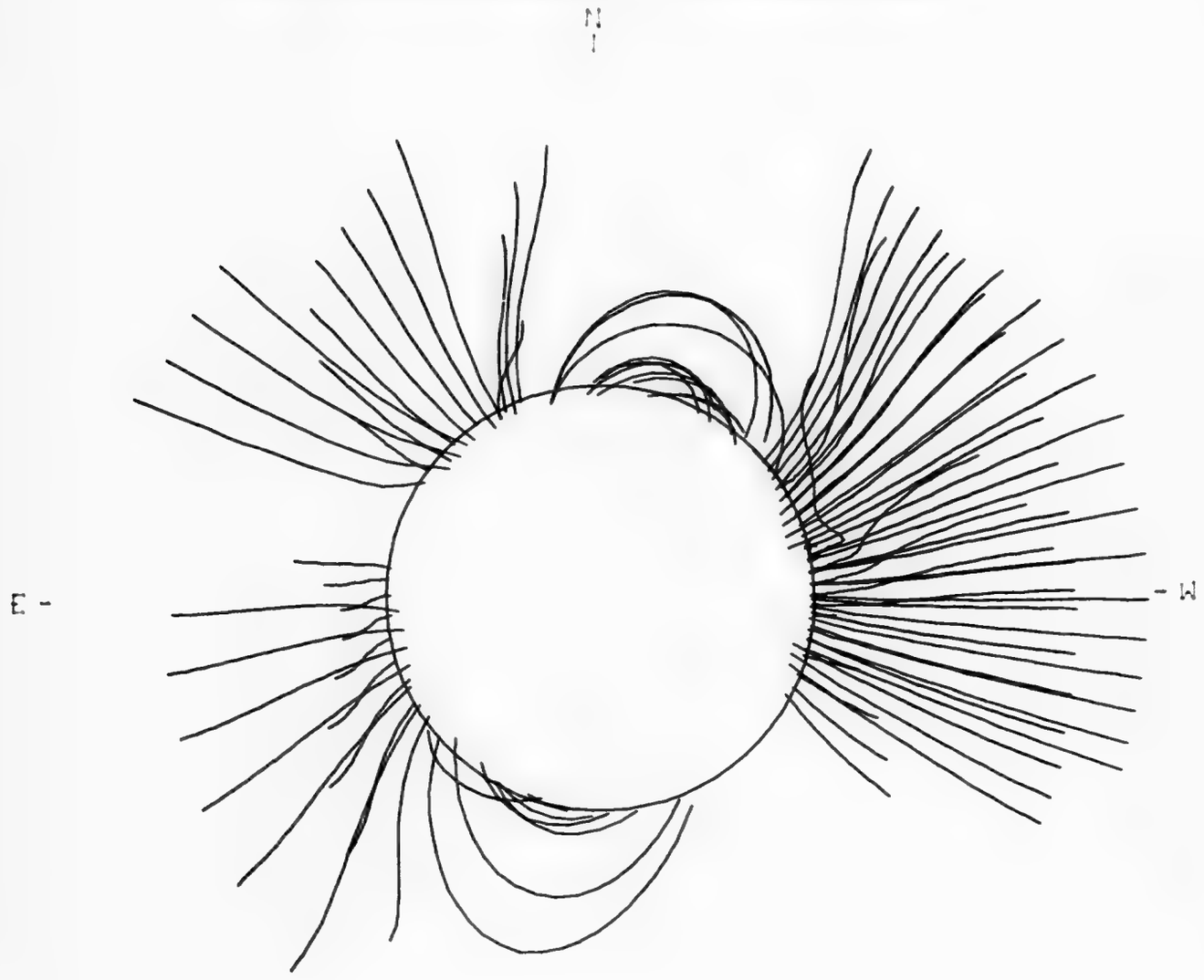
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 2[illegible]°

4.5 MAR 1962

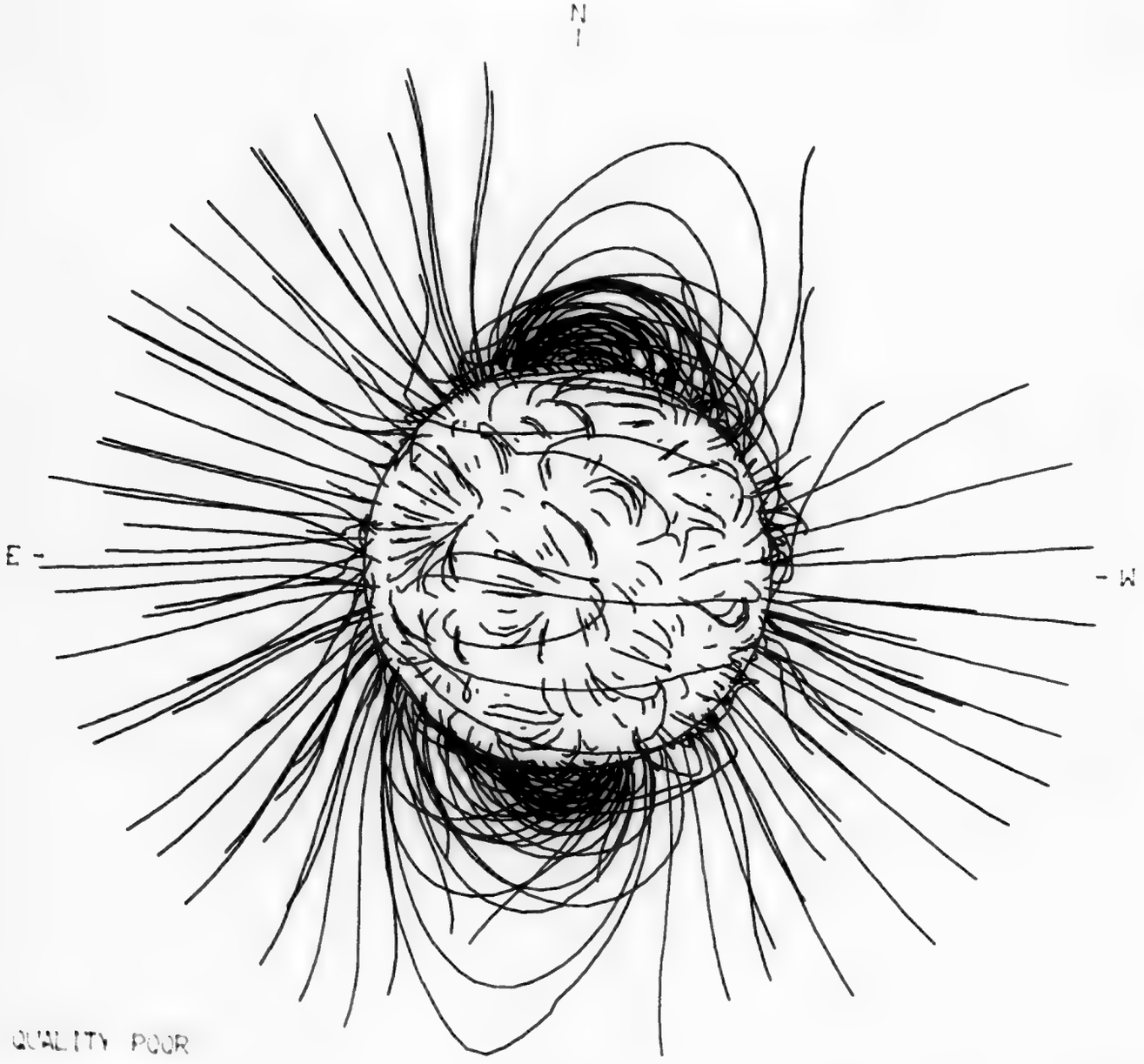
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1451.11

ROT. 1451 LONG. 21°
4.5 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

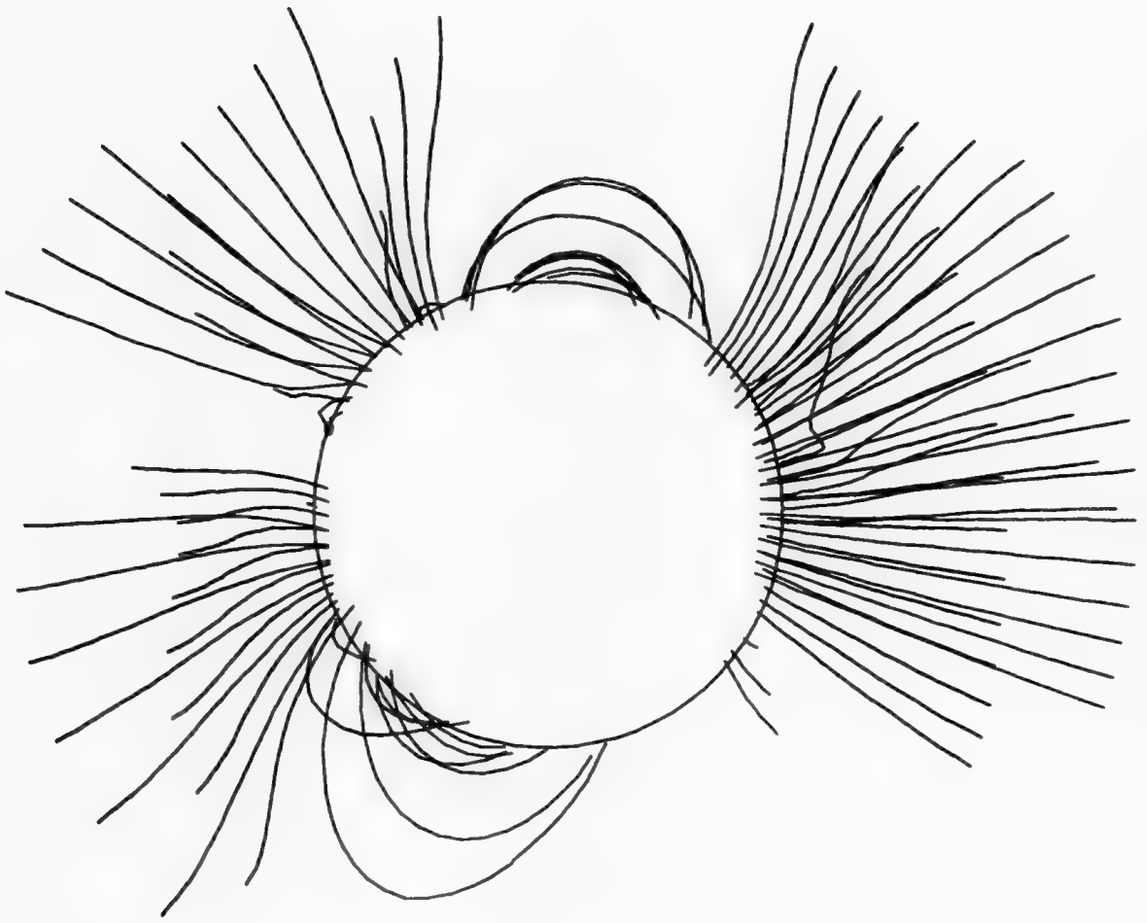
DATA WINDOW 1451.11

ROT. 1451 LONG. 200°

5.3 MAR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

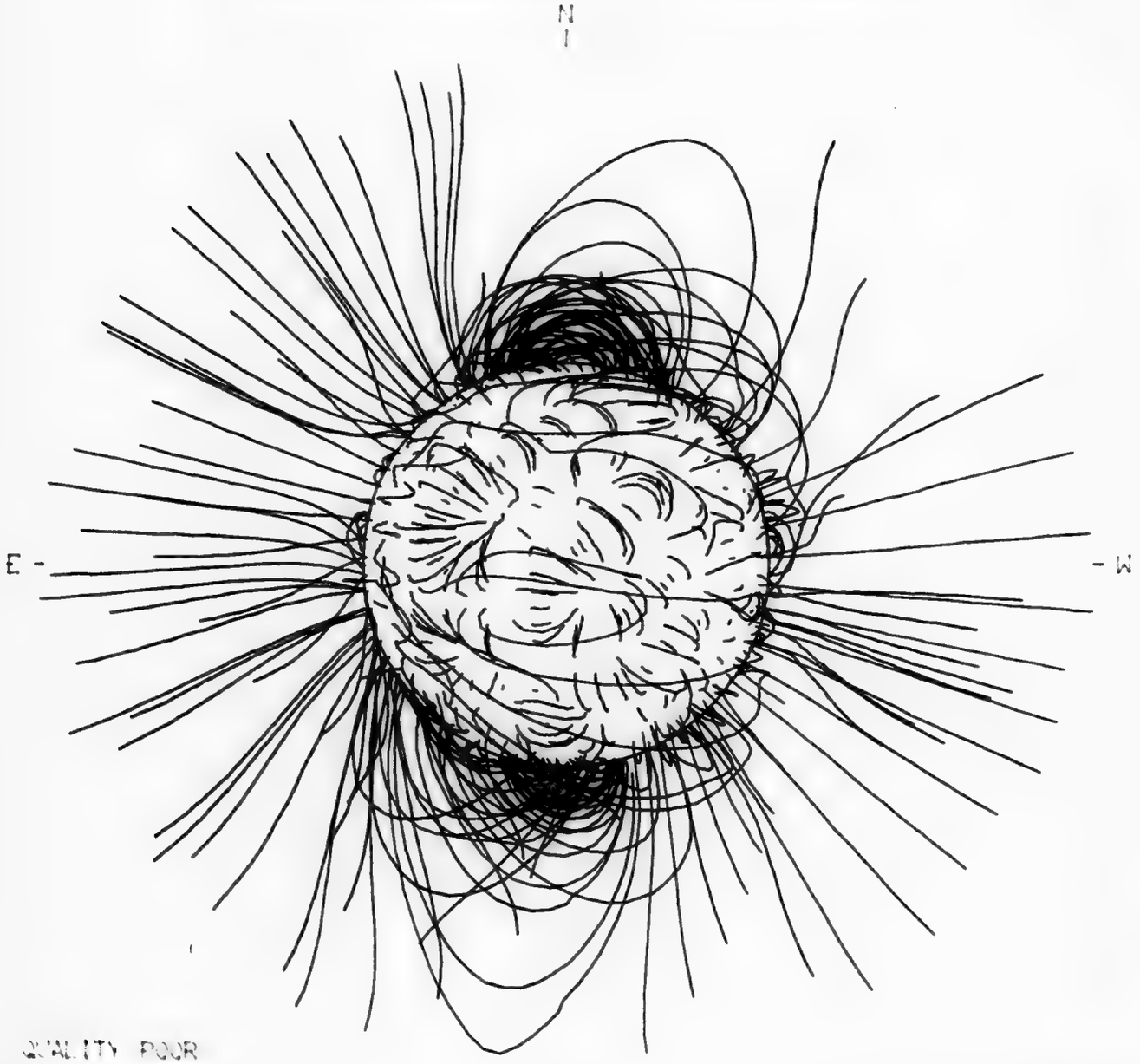
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 200°

5.3 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

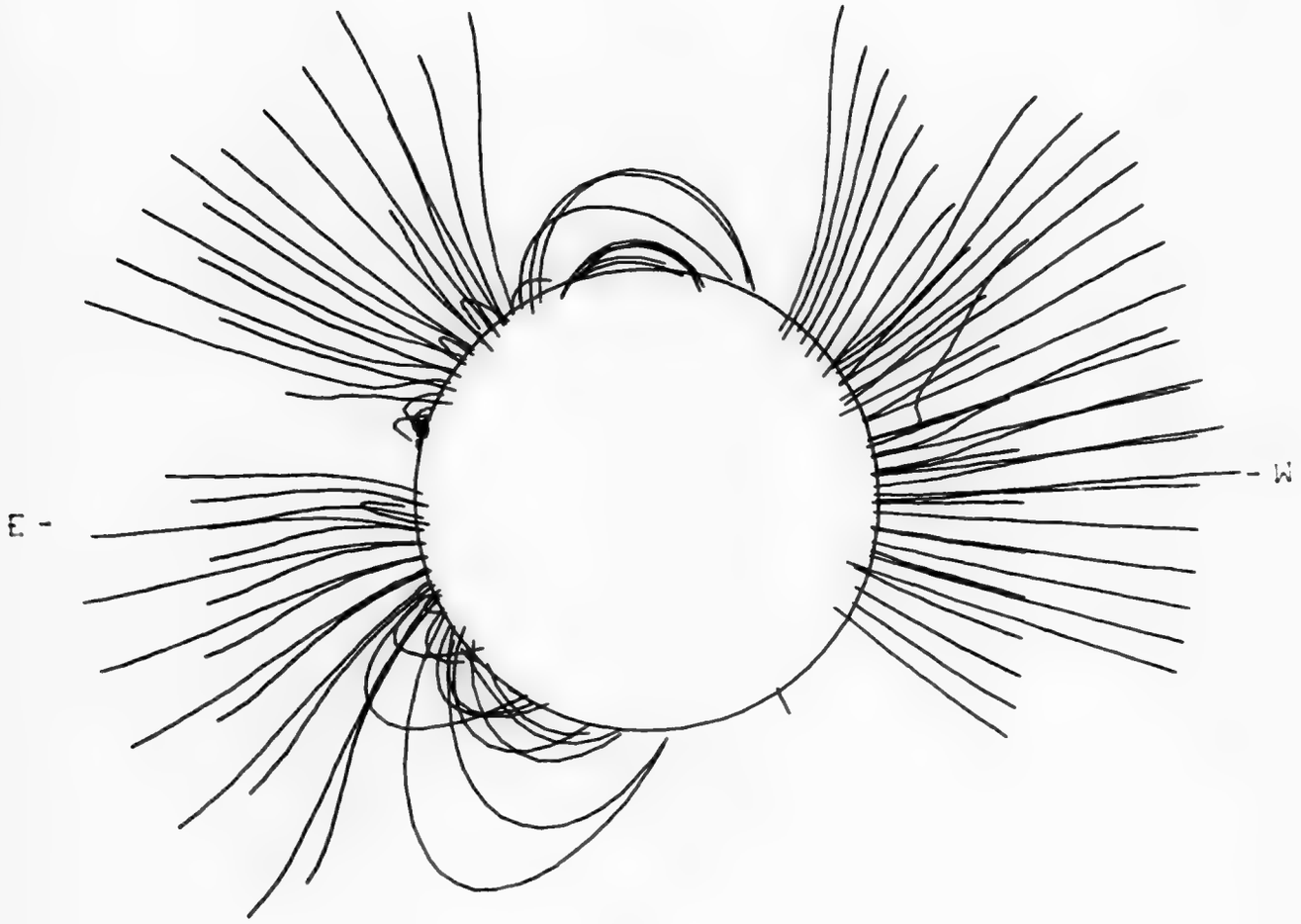
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 190°

6.1 MAR 1962

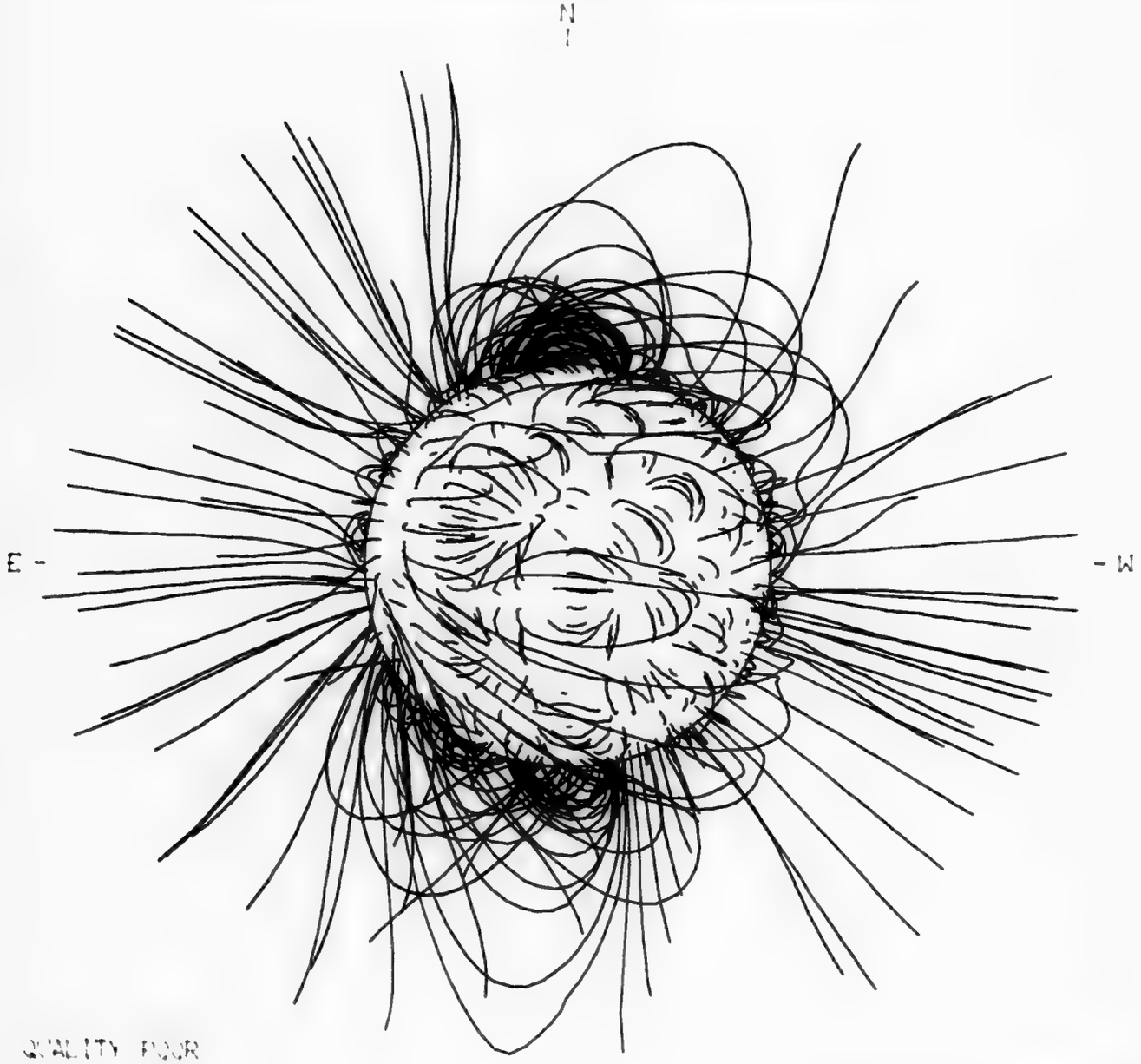
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1451.11

ROT. 1451 LONG. 190°
6.1 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 180°

6.8 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

W

S

QUALITY POOR

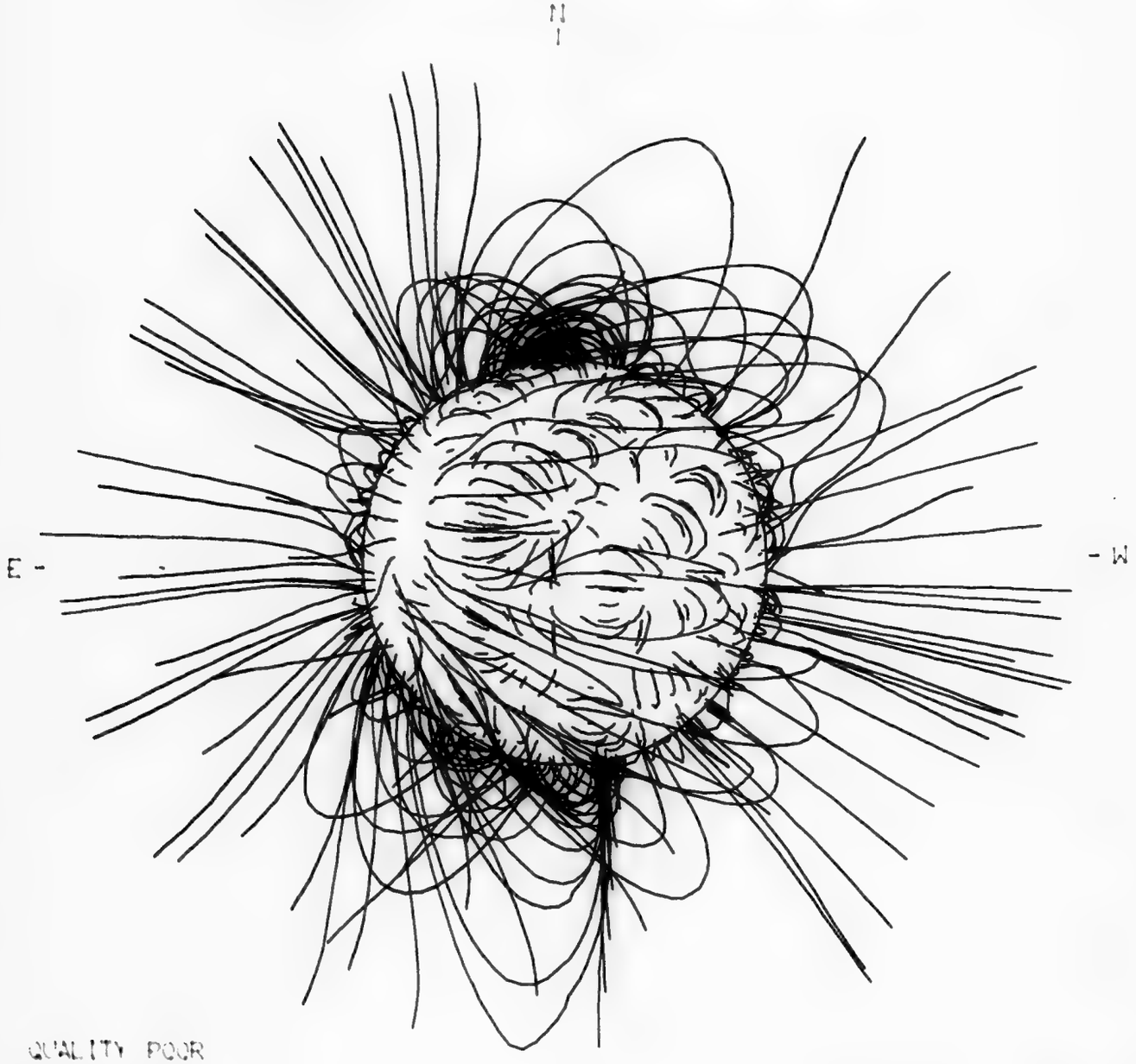
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 180°

6.8 MAR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

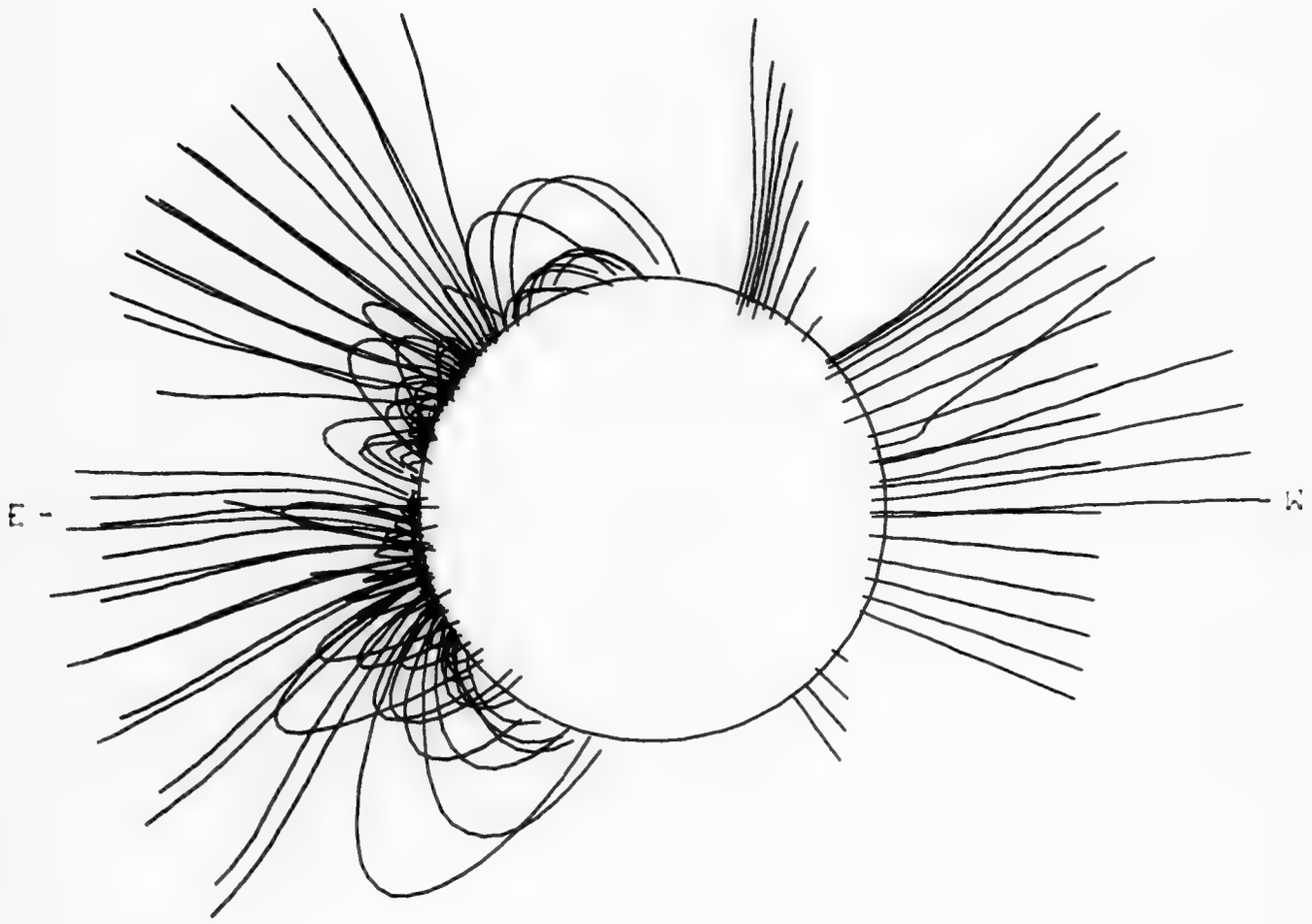
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 170°

7.6 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

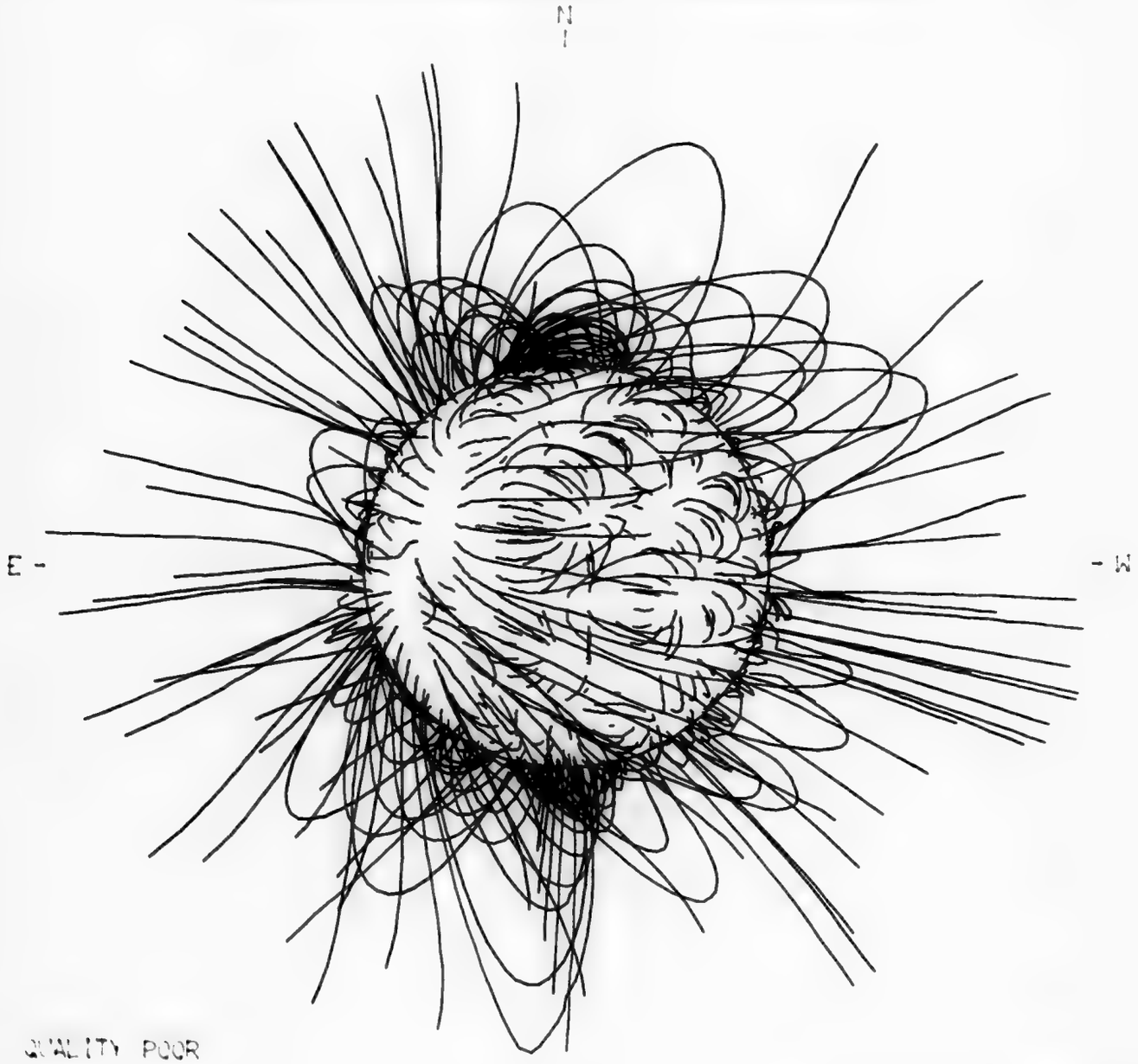
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 170°

7.6 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

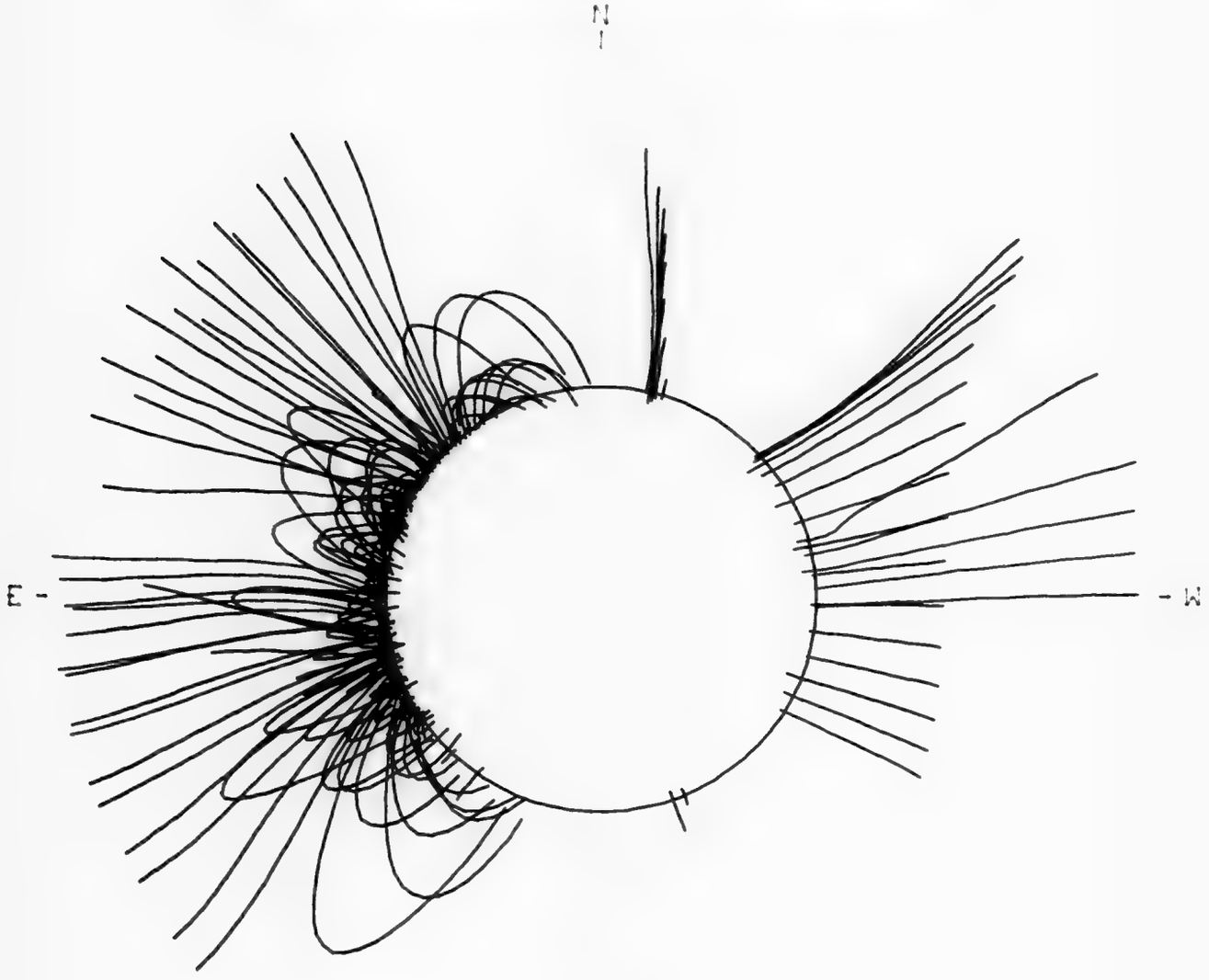
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 160°

8.3 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

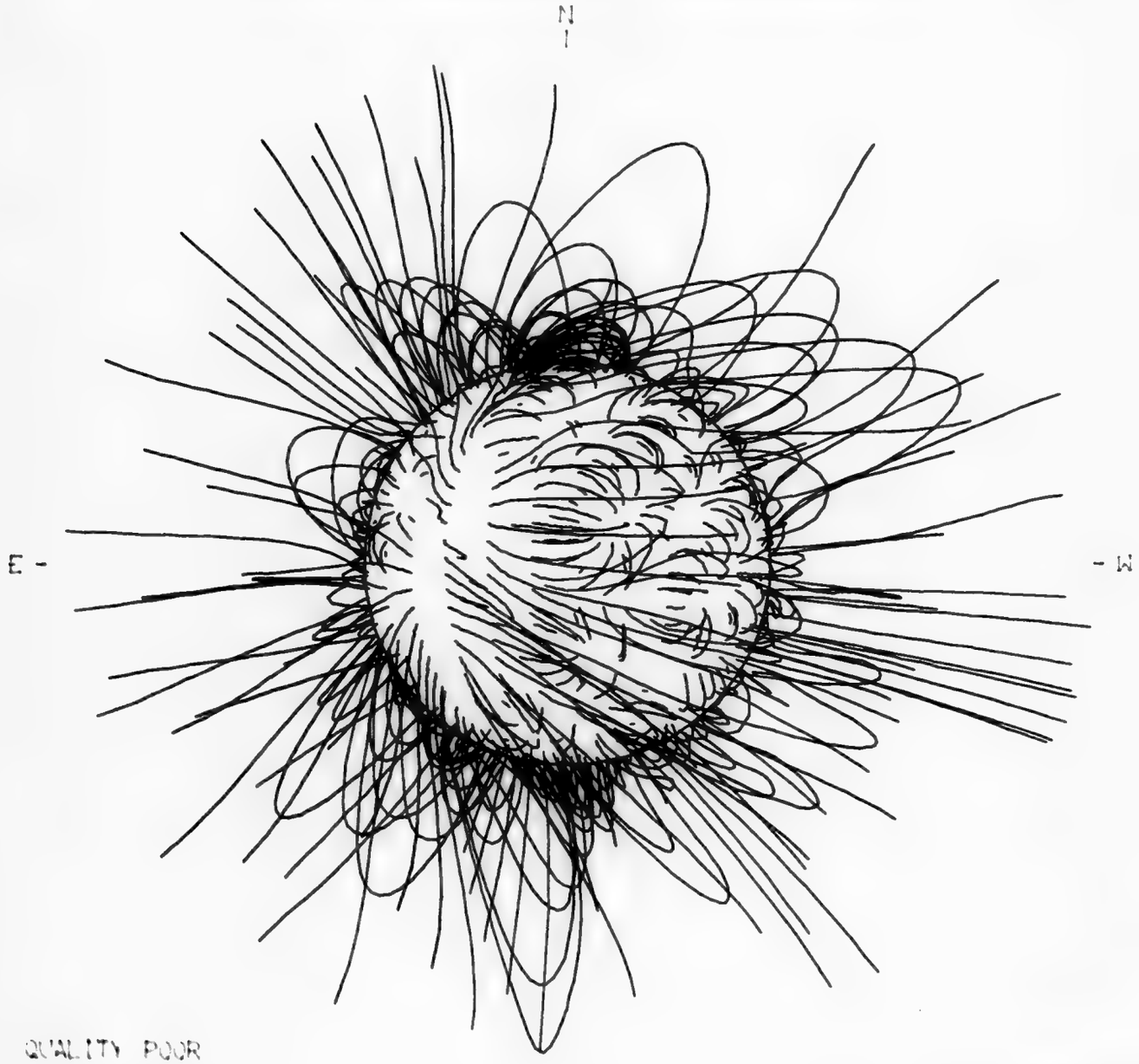
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 150°

8.3 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

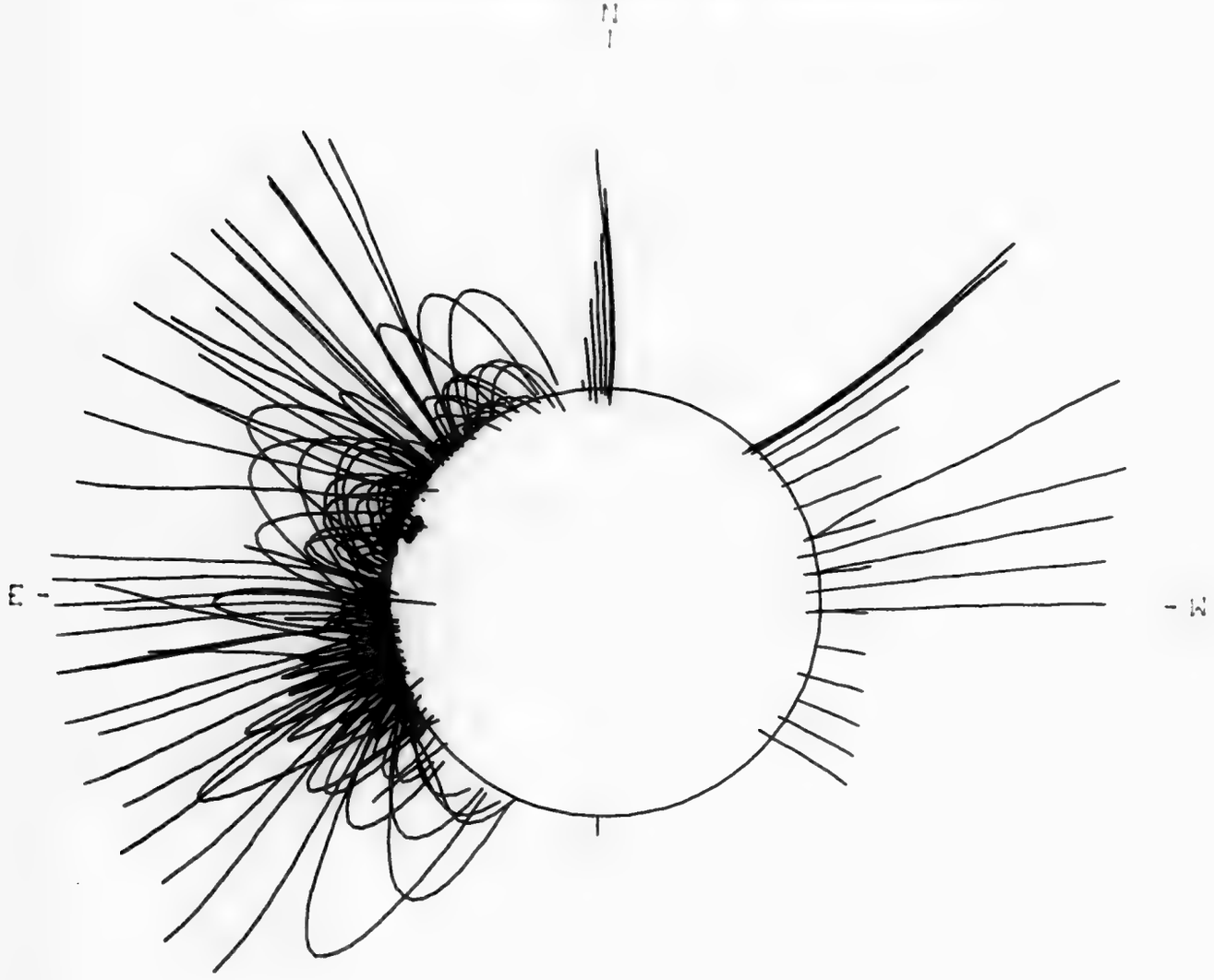
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 150°

9.1 MAR 1962

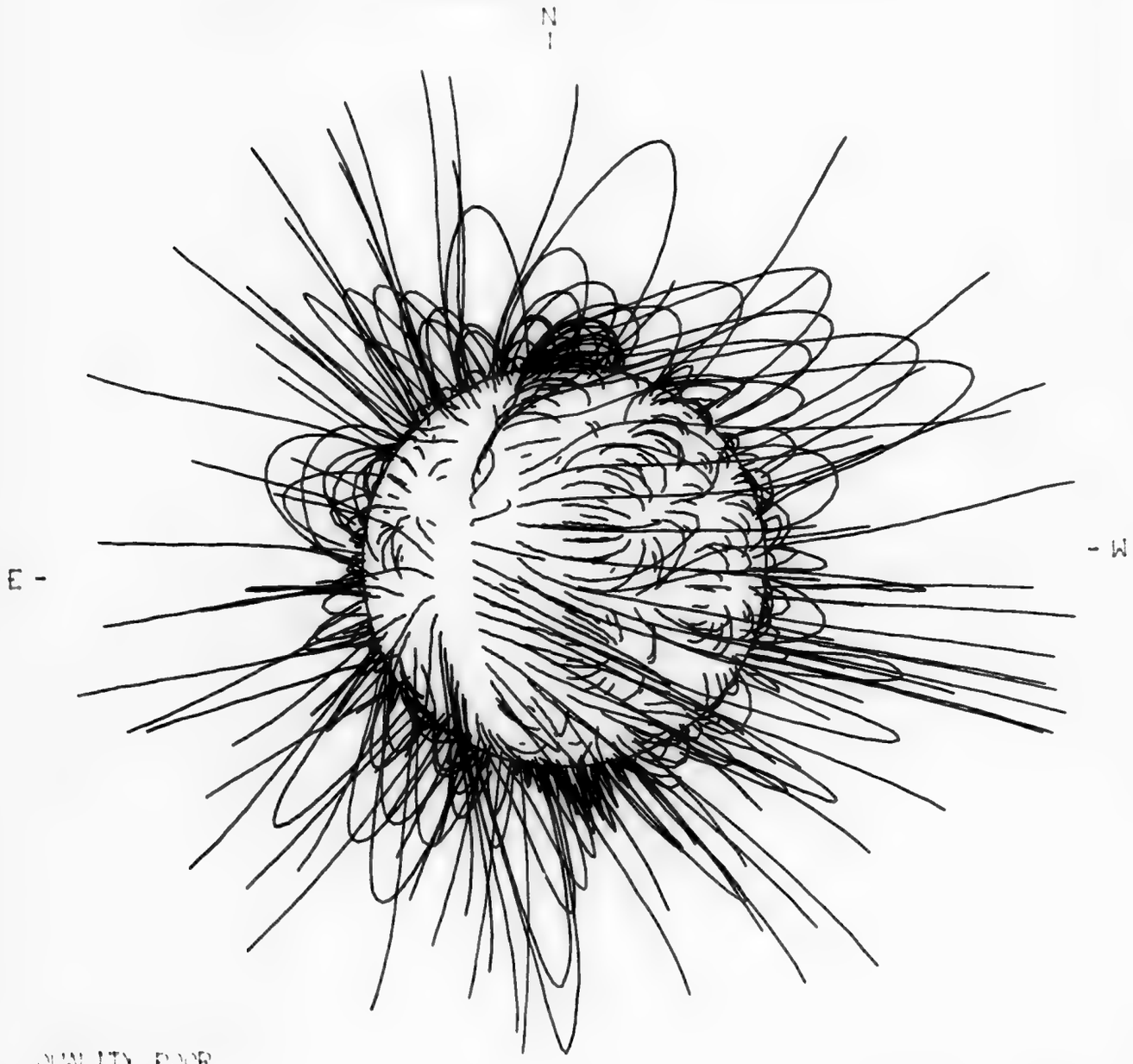
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1451.11

ROT. 1451 LONG. 150°
9.1 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

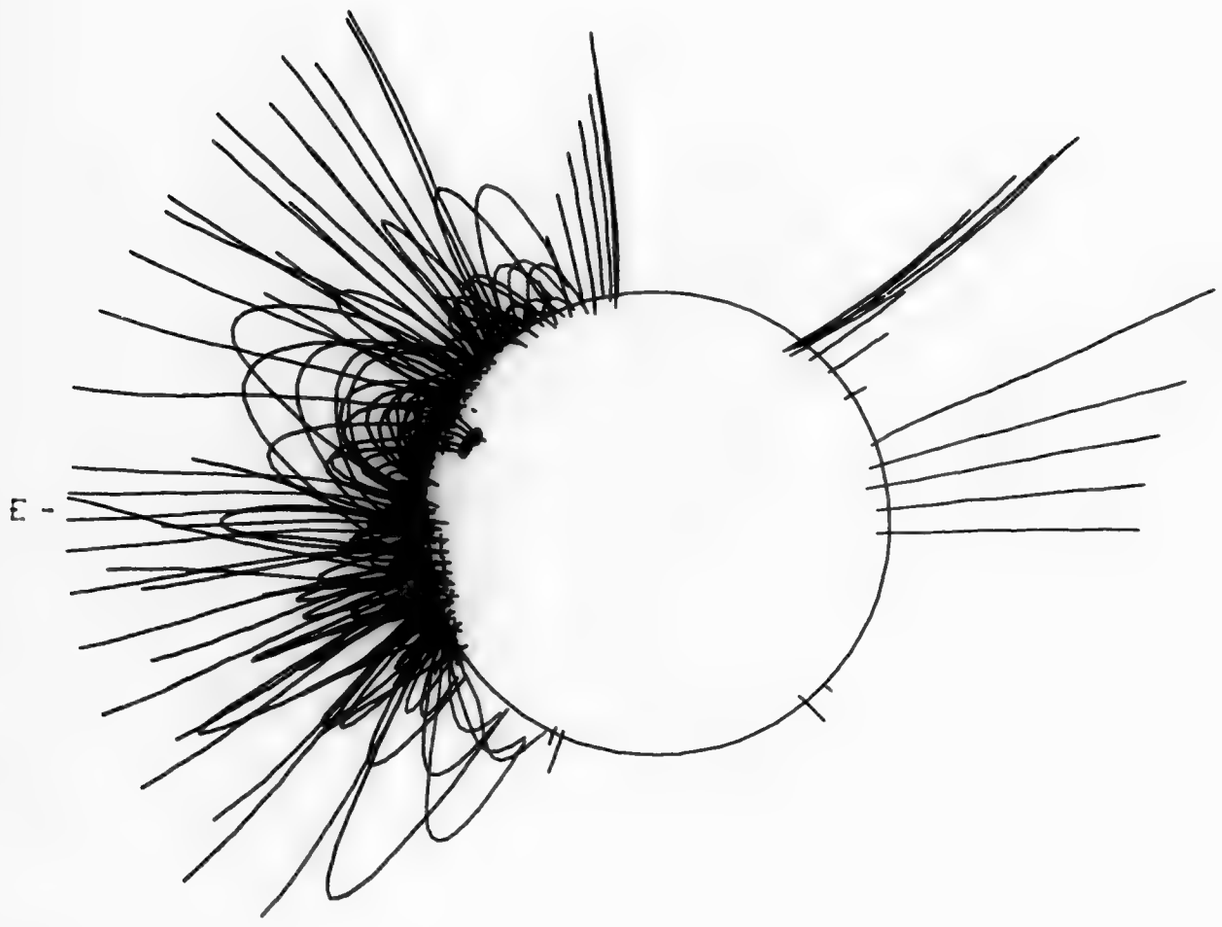


QUALITY POOR
POLES DIRECT
DATA WINDOW 1451.11

ROT. 1451 LONG. 140°
9.8 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



QUALITY POOR

POLES DIRECT

DATA WINDOW 1451.1

S

ROT. 1451 LONG. 140°

9.8 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

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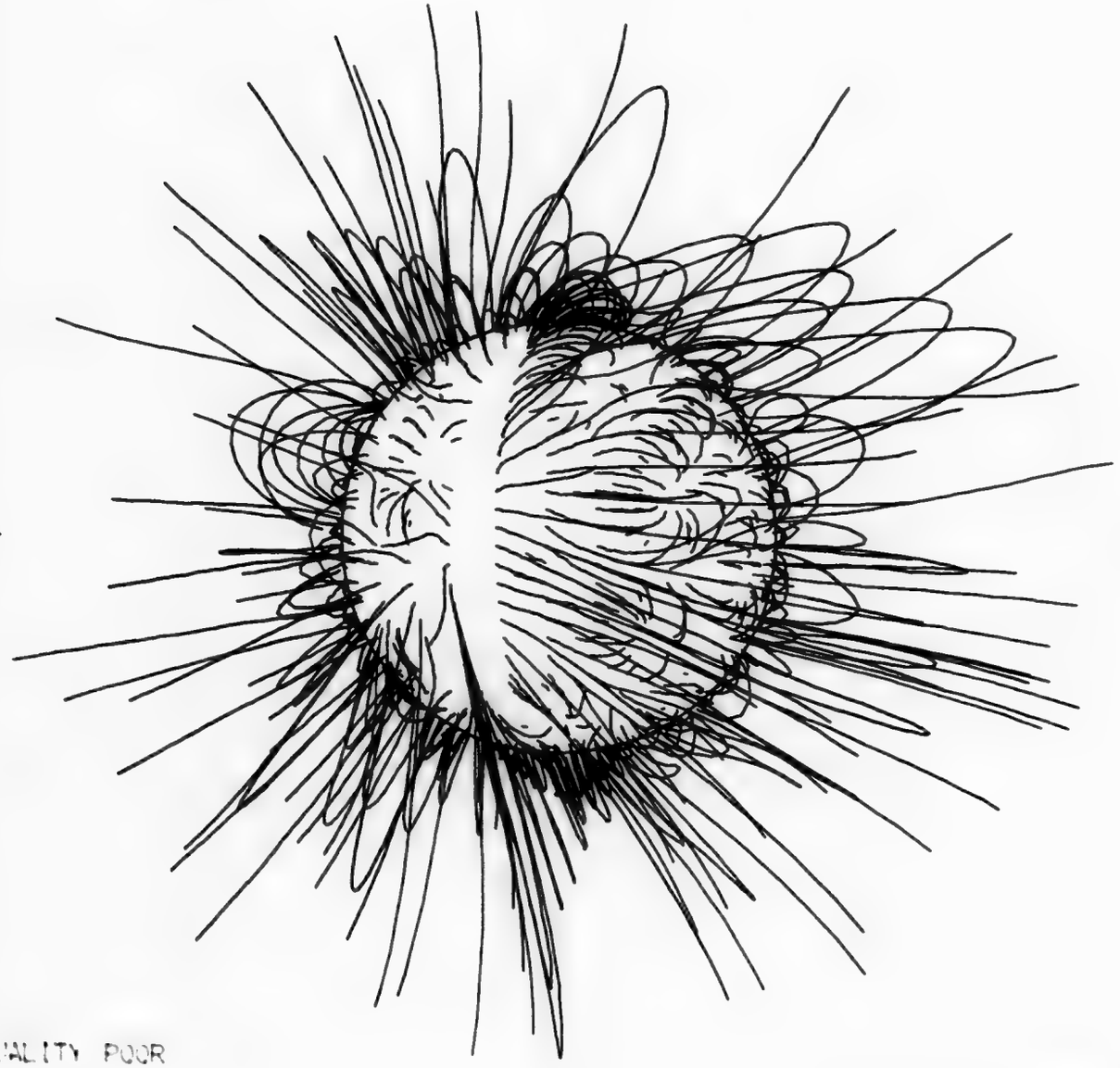
S



QUALITY POOR

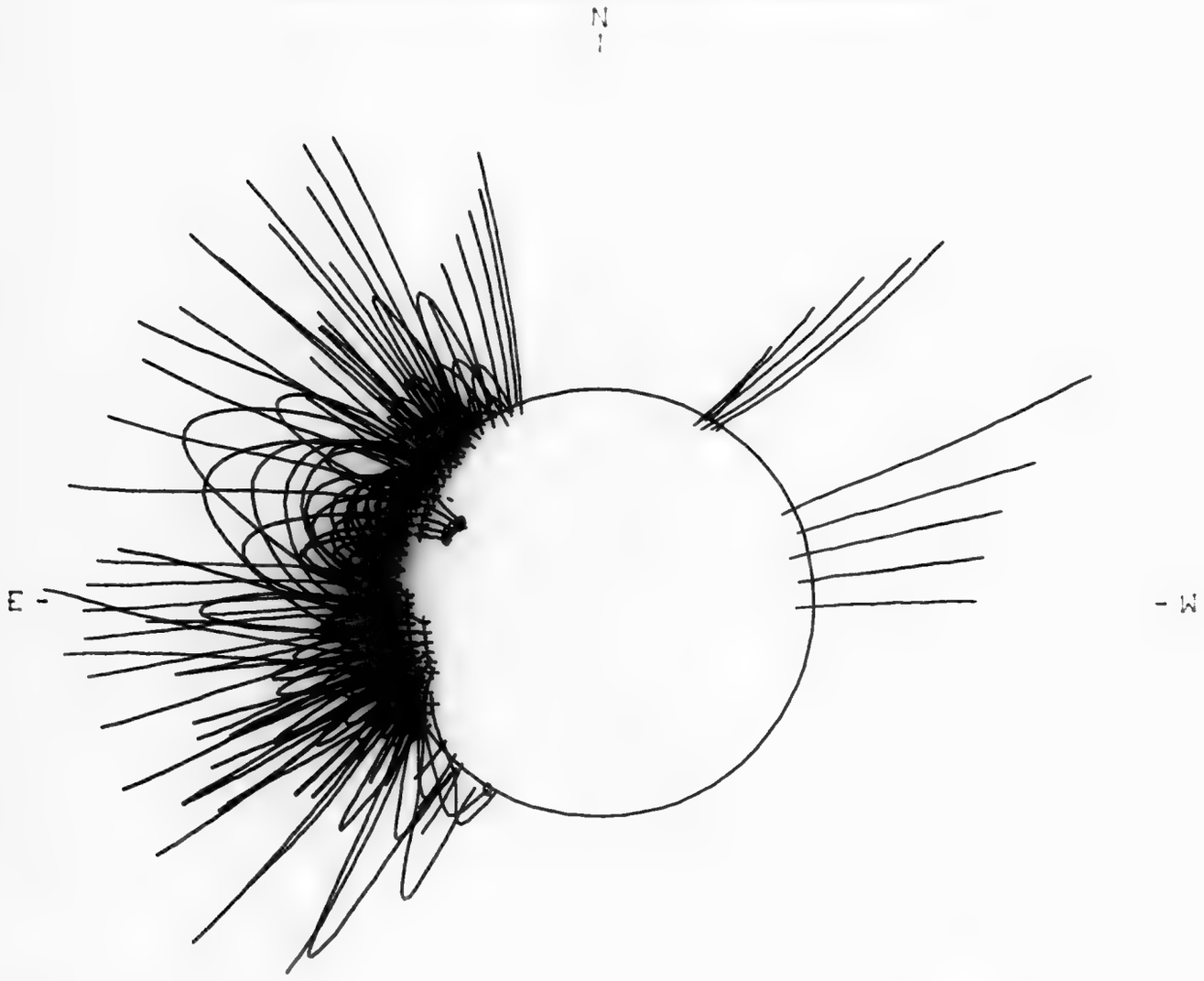
POLES DIRECT

DATA WINDOW 1451.1°

ROT. 1451 LONG. 131°

10.6 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

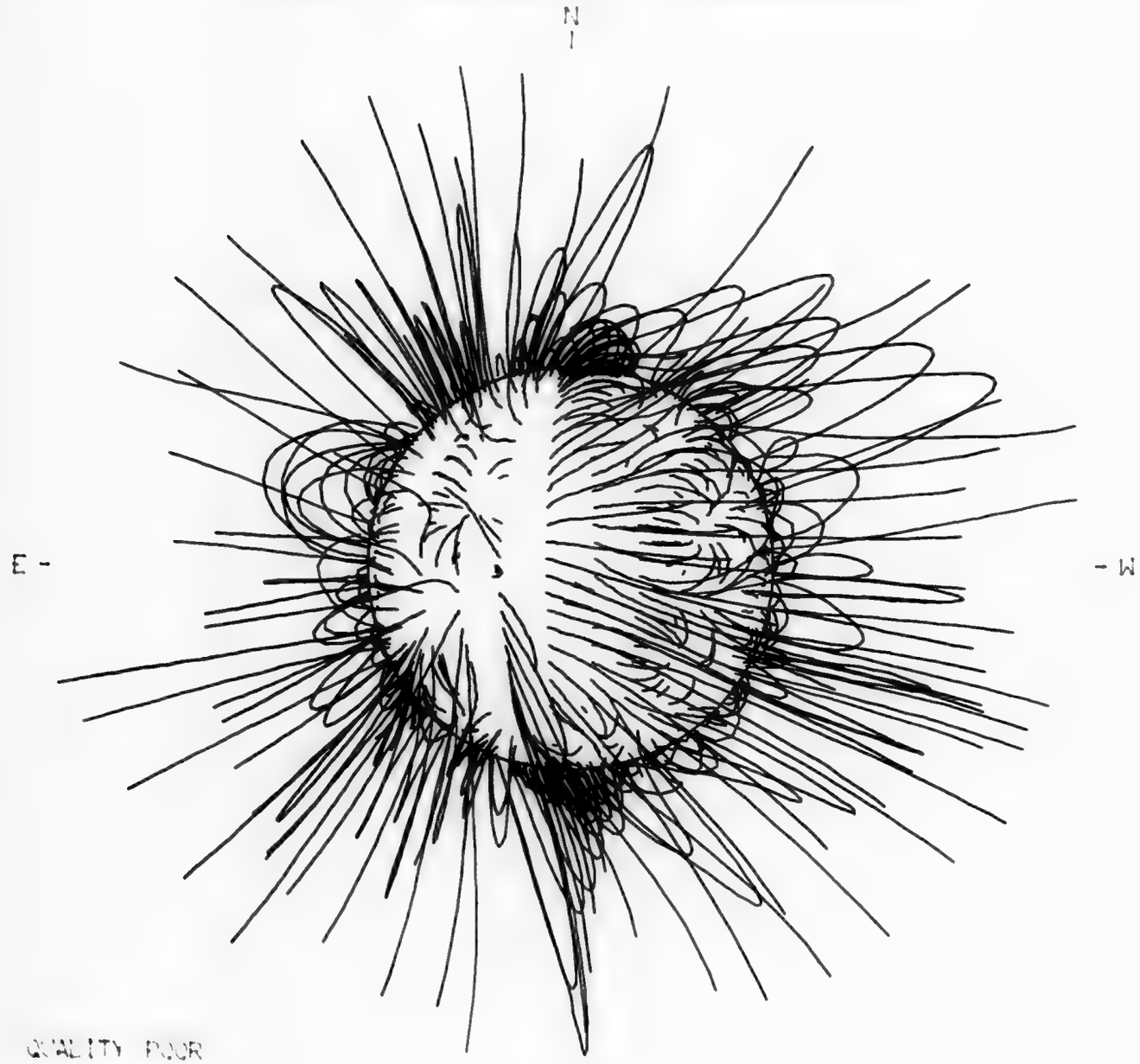
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 130°

10.6 MAR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

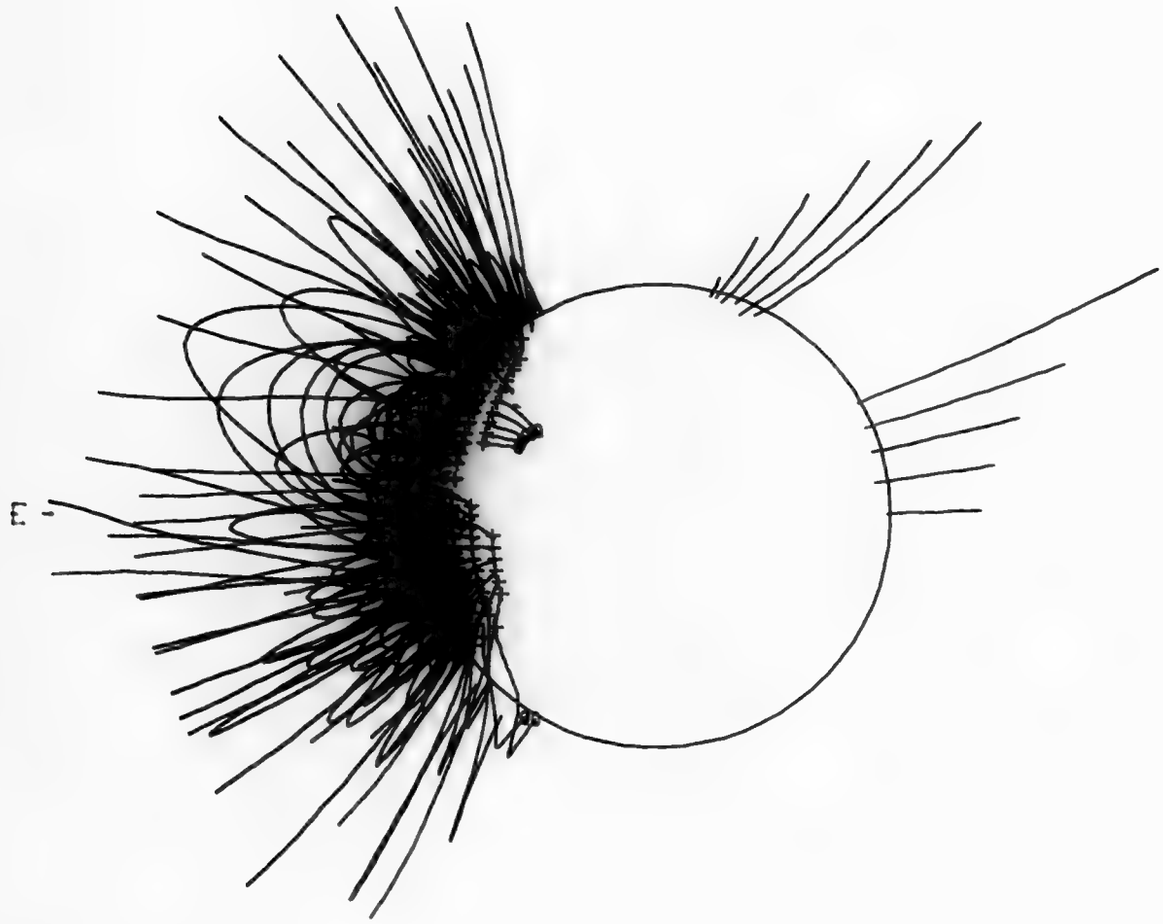
DATA WINDOW 1451.11

ROT. 1451 LONG. 120°

11.4 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



S

QUALITY POOR

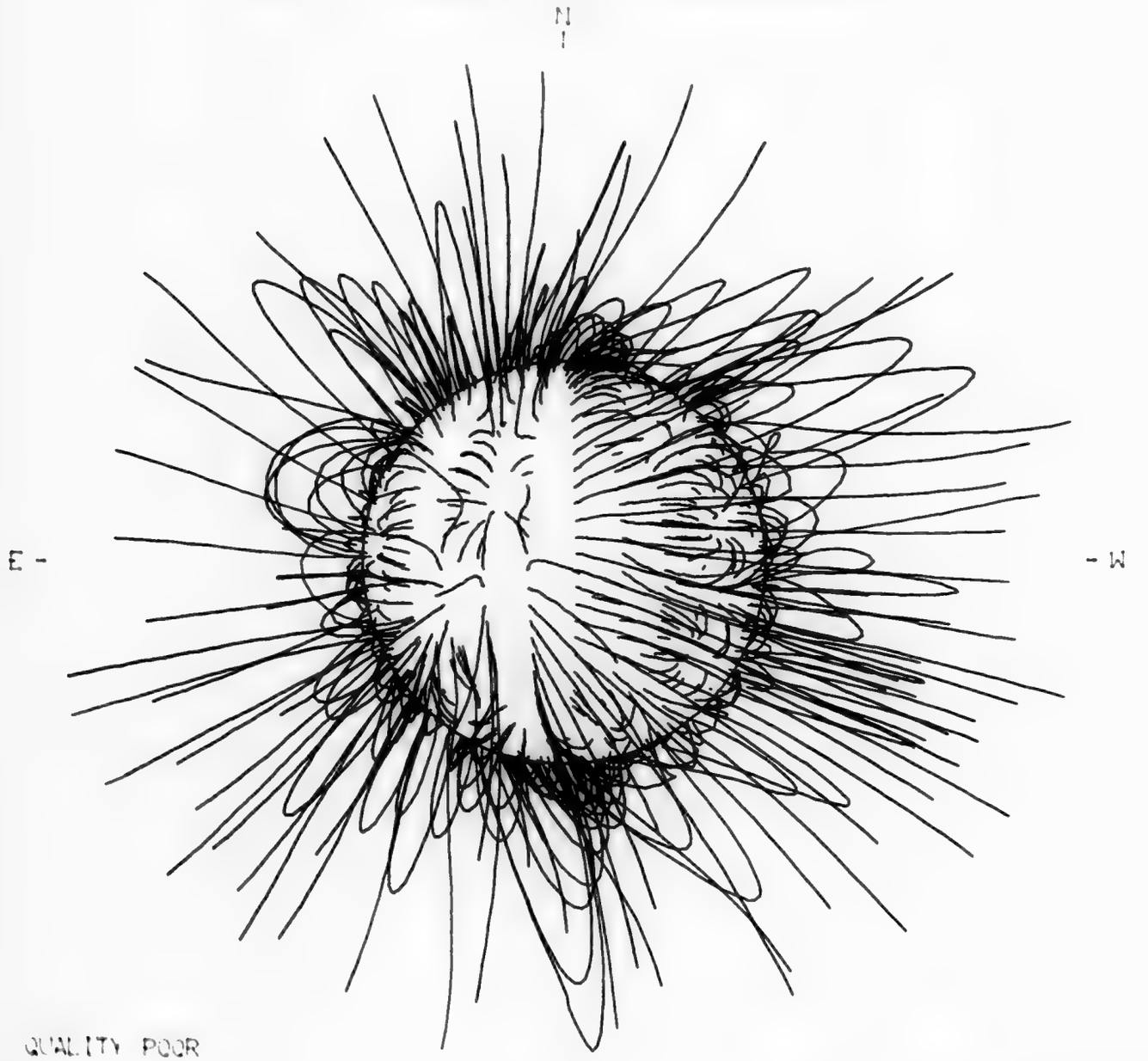
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 120°

11.4 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

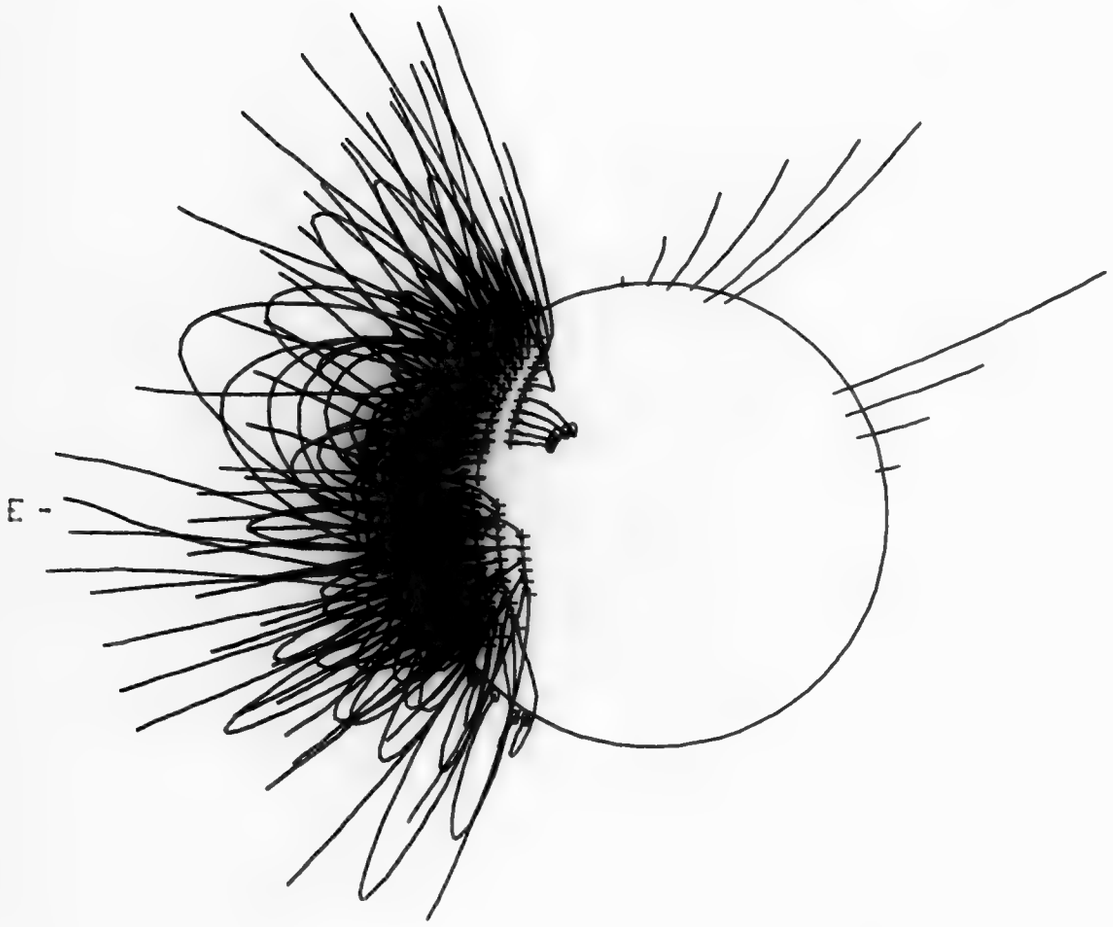
DATA WINDOW 1451.11

ROT. 1451 LONG. 110°

12.1 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

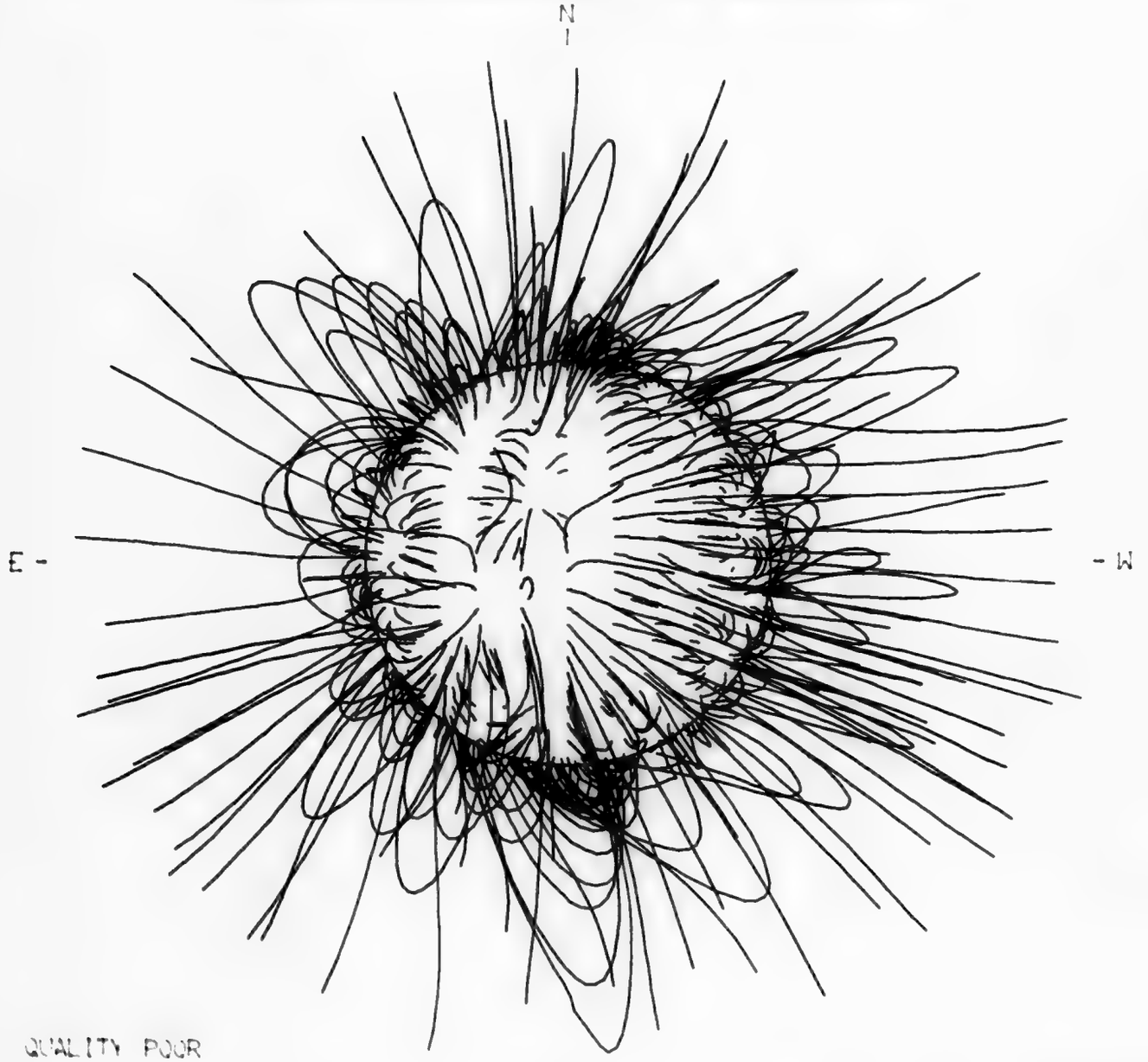
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 119°

12.1 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

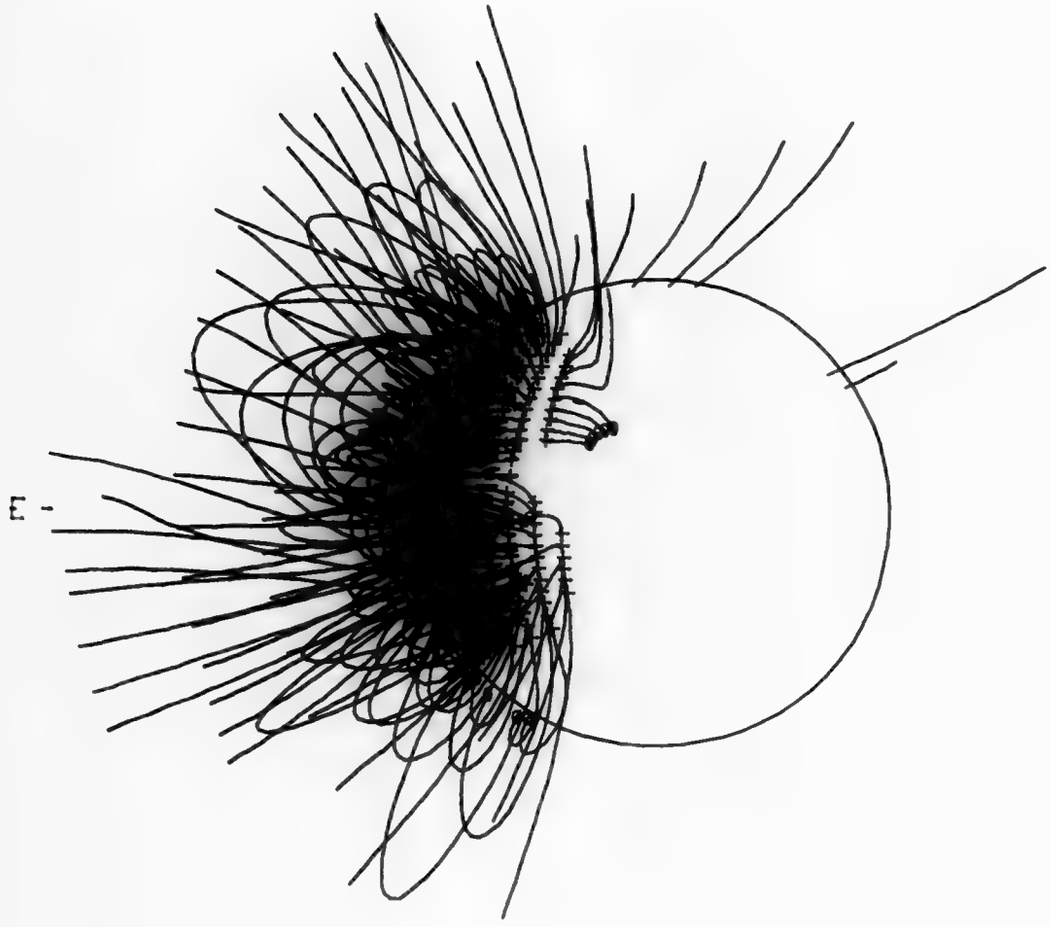
DATA WINDOW 1451.11

ROT. 1451 LONG. 100°

12.9 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

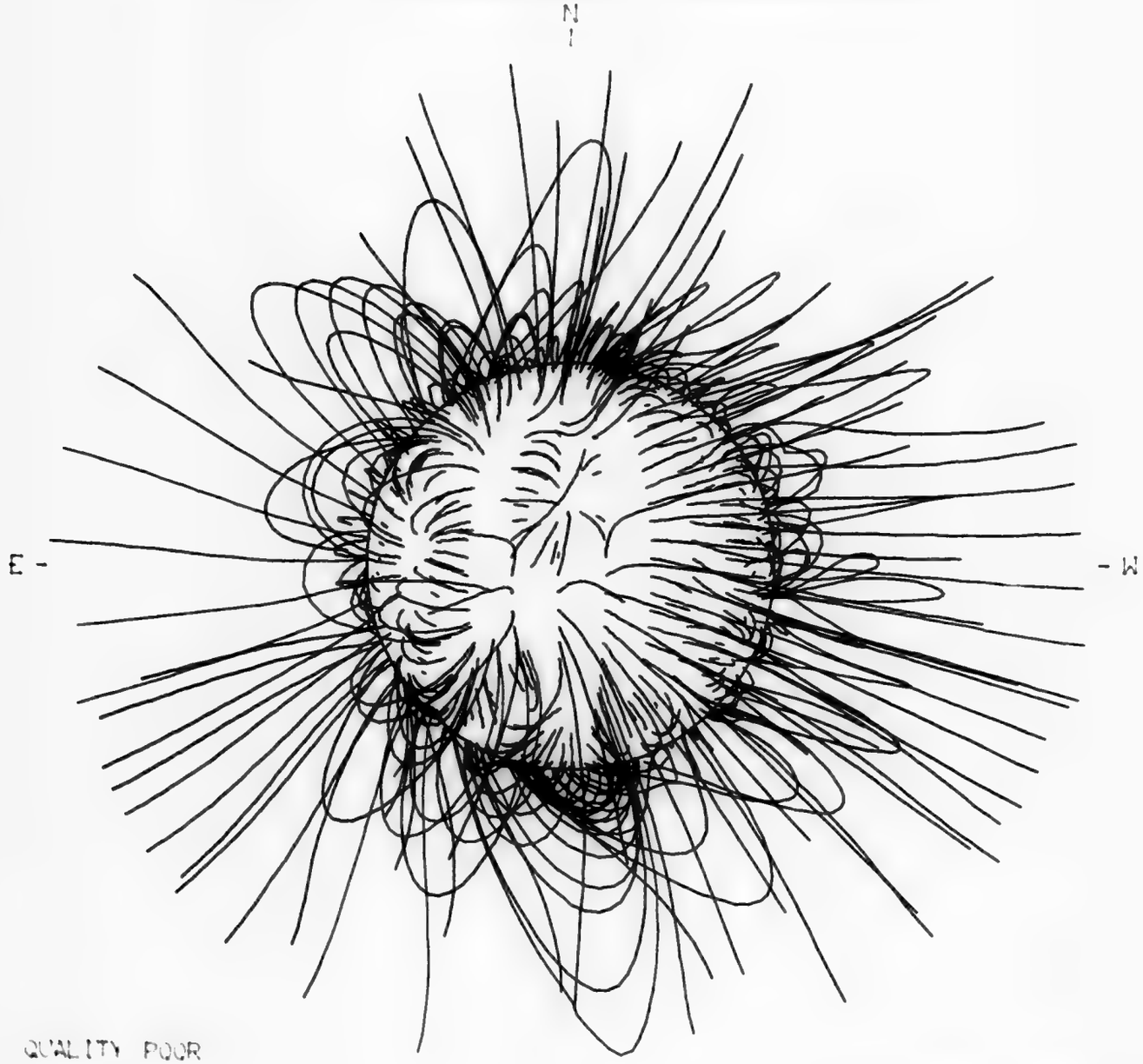
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 100°

12.9 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

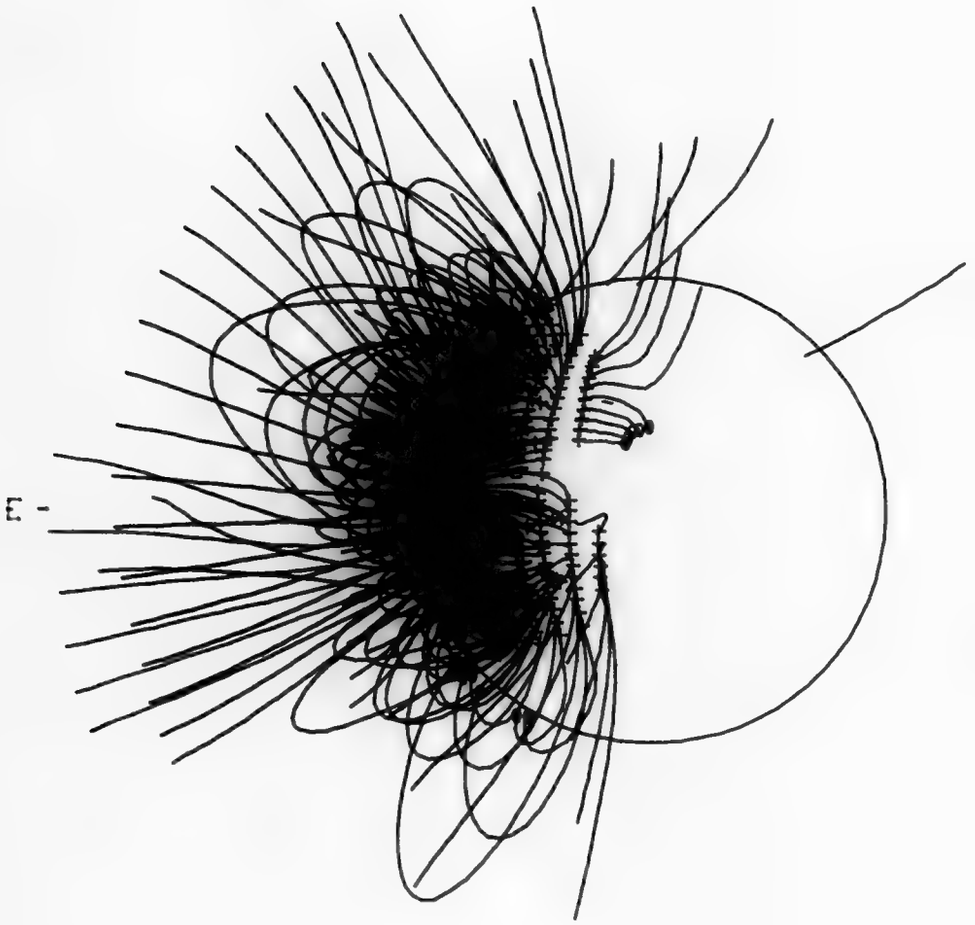
DATA WINDOW 1451.11

ROT. 1451 LONG. 90°

13.6 MAR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

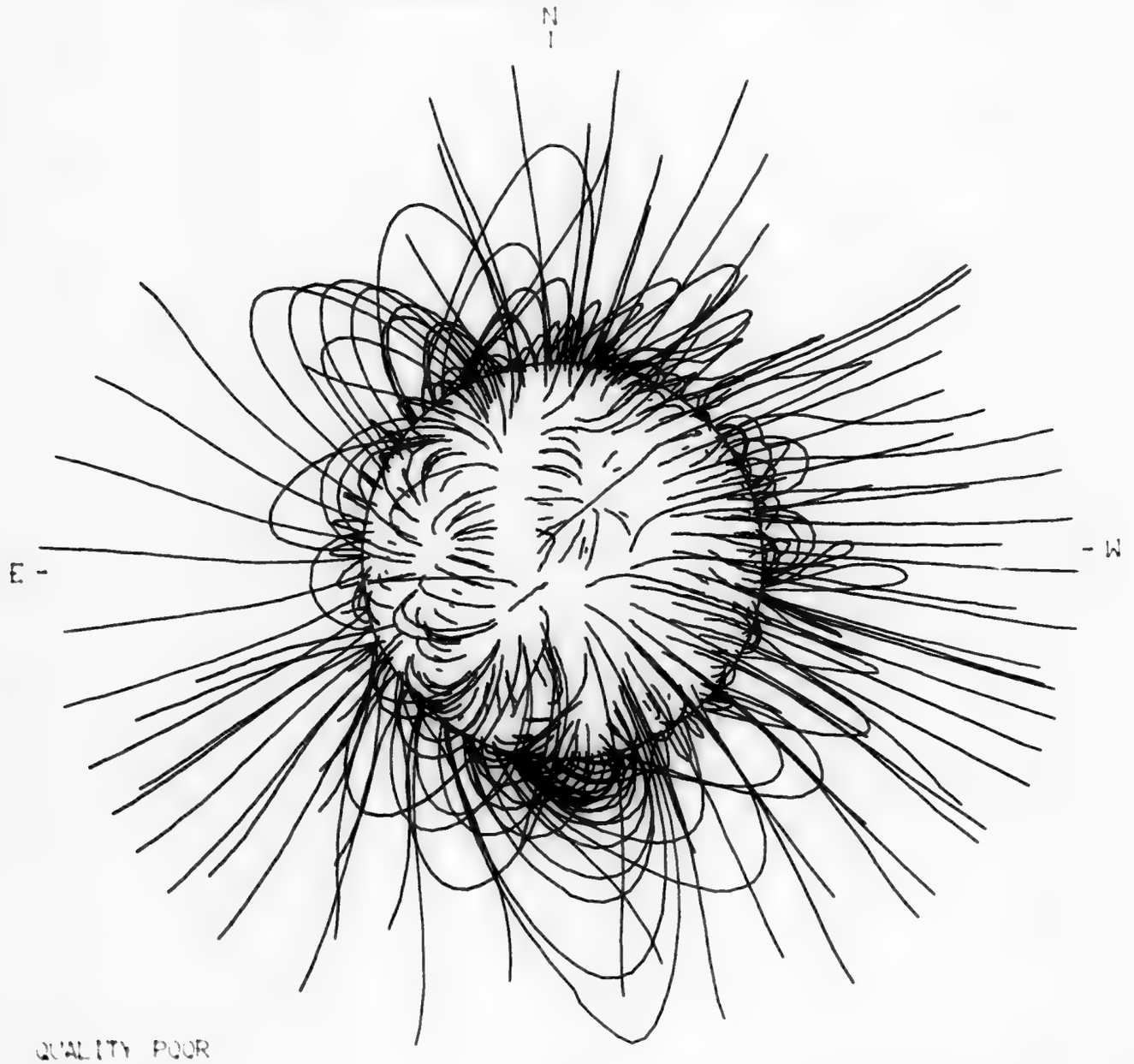
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 90°

13.6 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1451.11

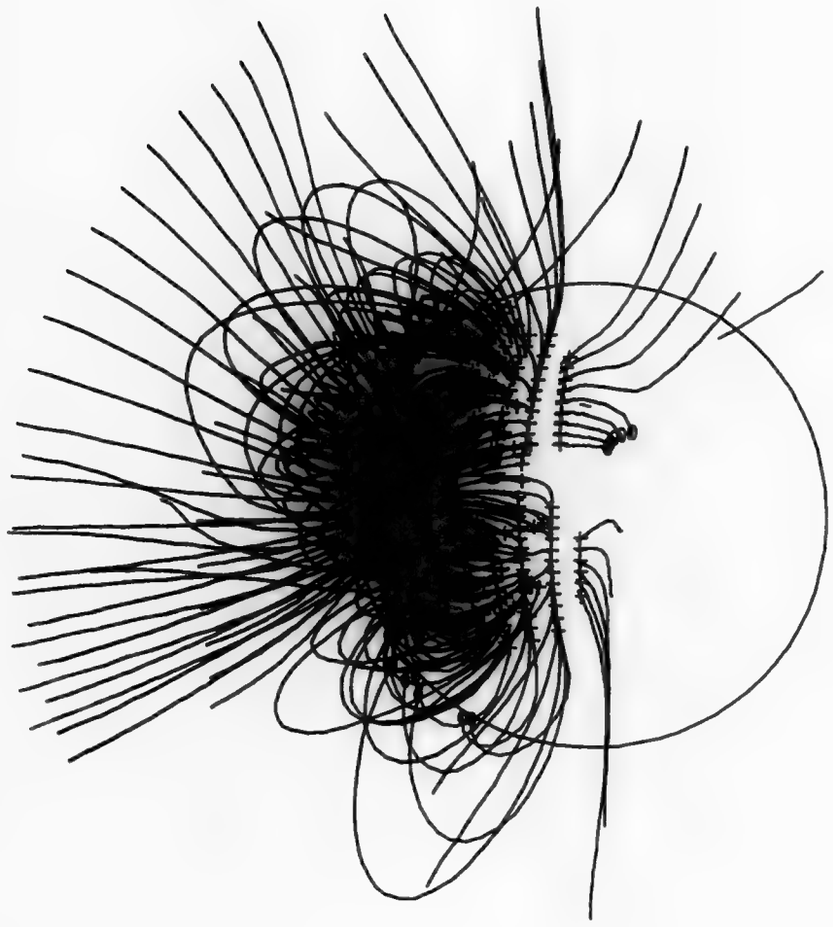
ROT. 1451 LONG. 80°

14.4 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

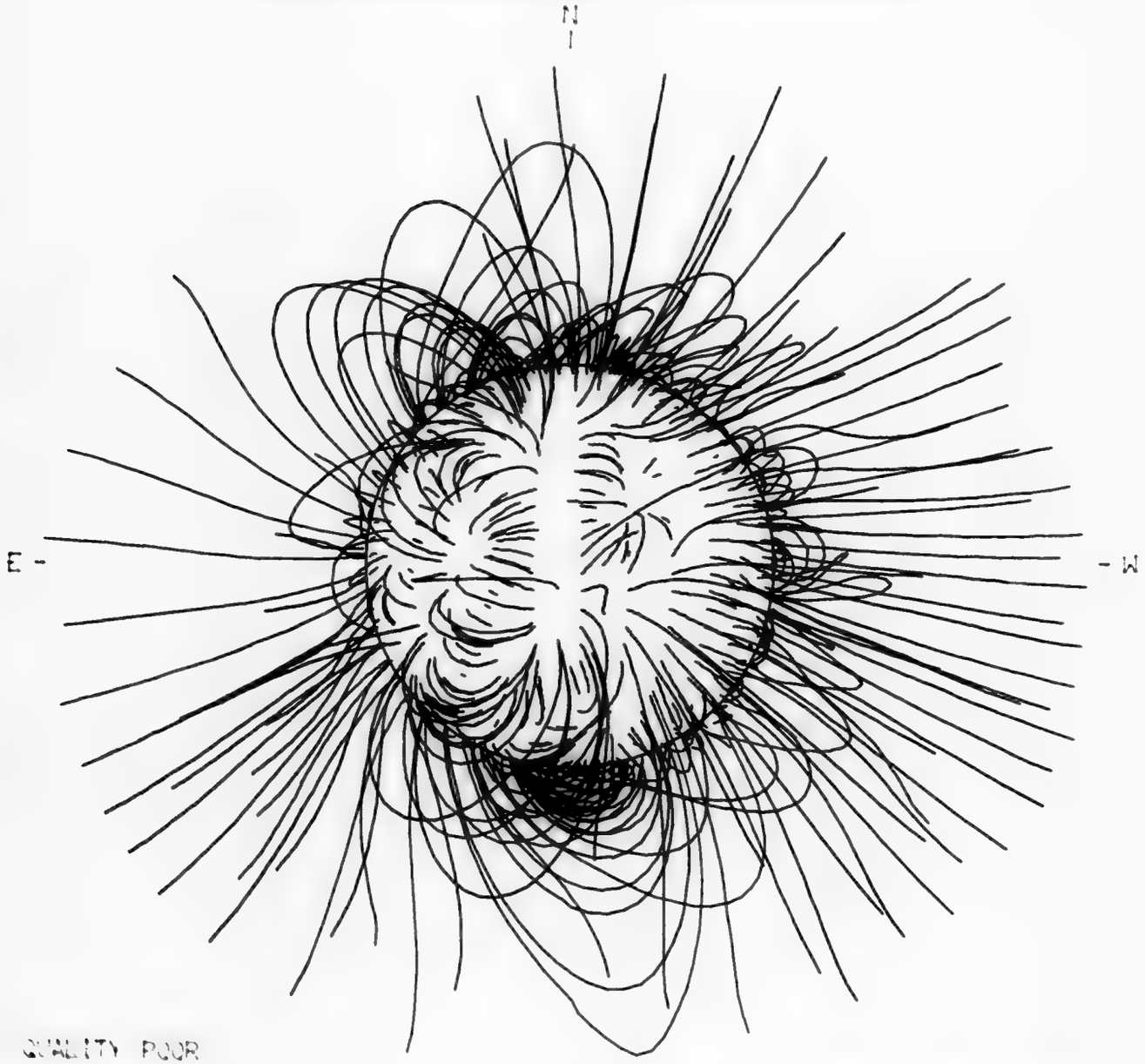
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 80°

14.4 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

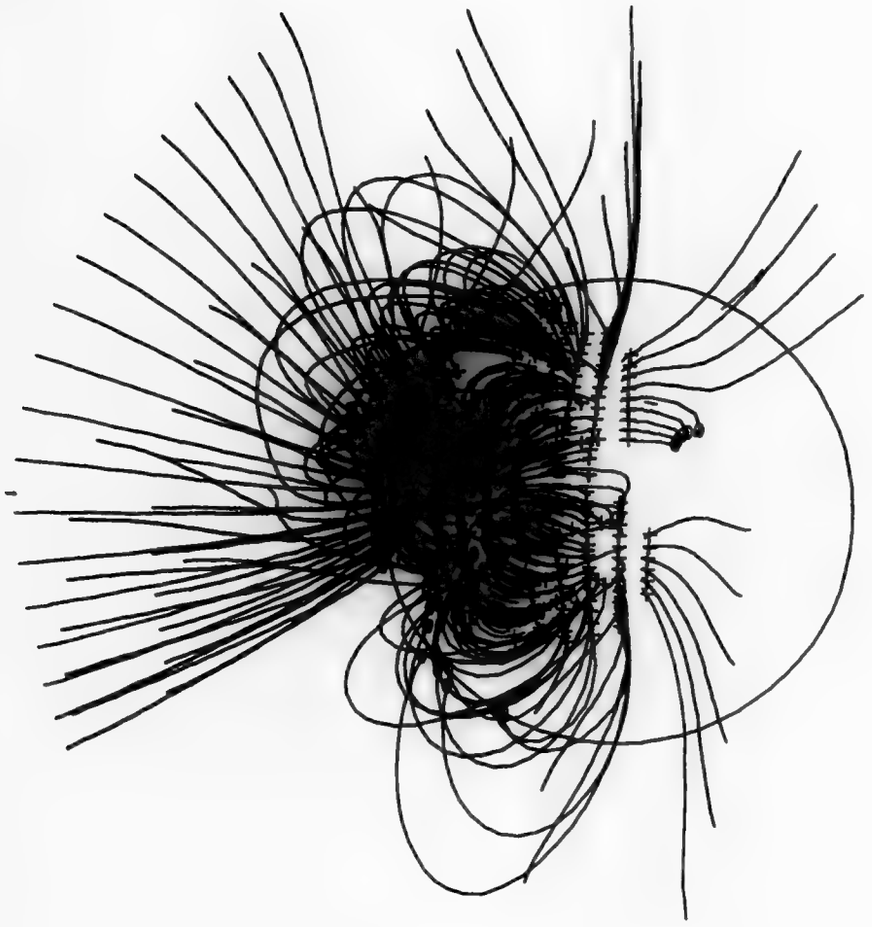
DATA WINDOW 1451.11

ROT. 1451 LONG. 70°

15.1 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

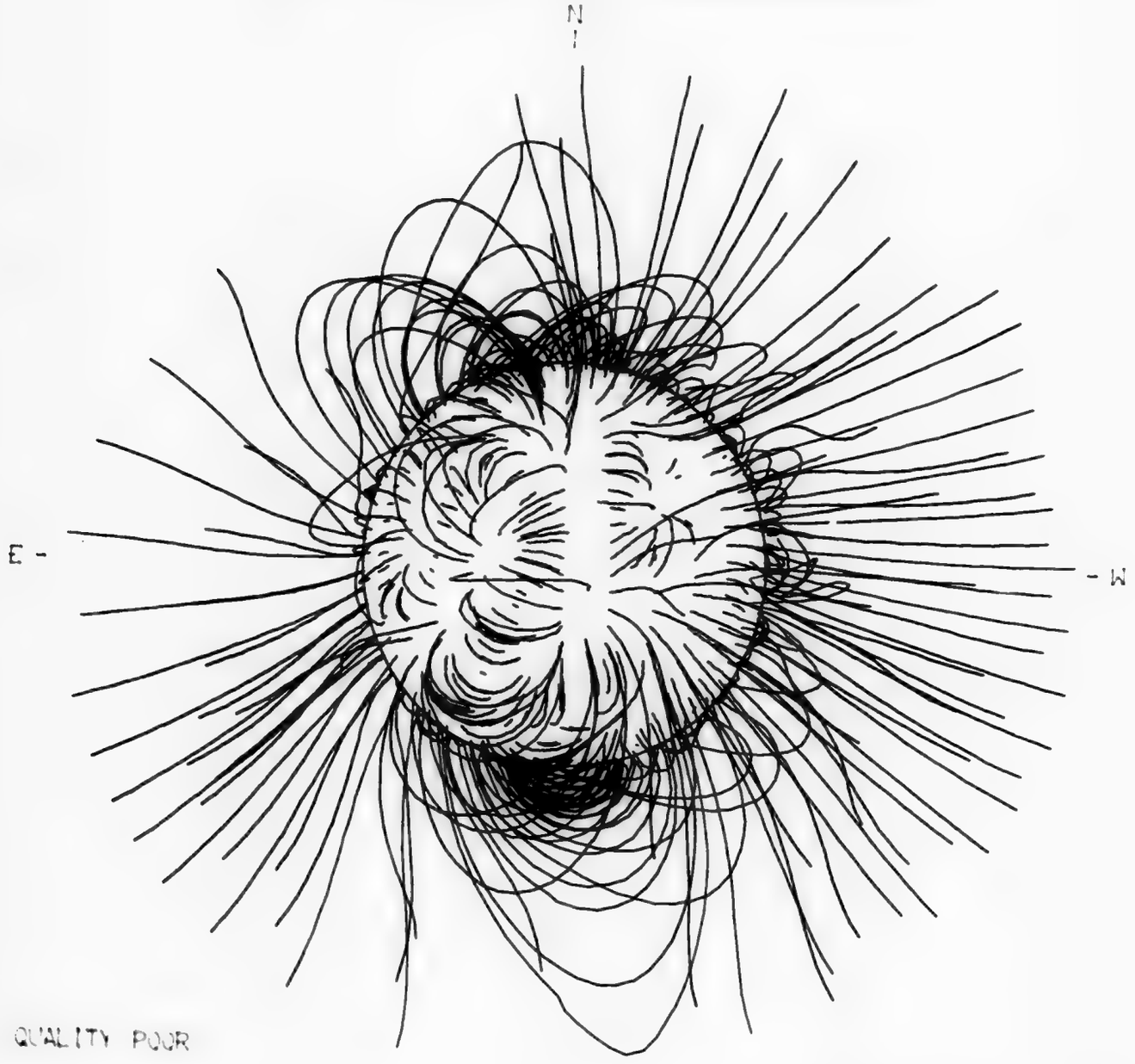
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 70°

15.1 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

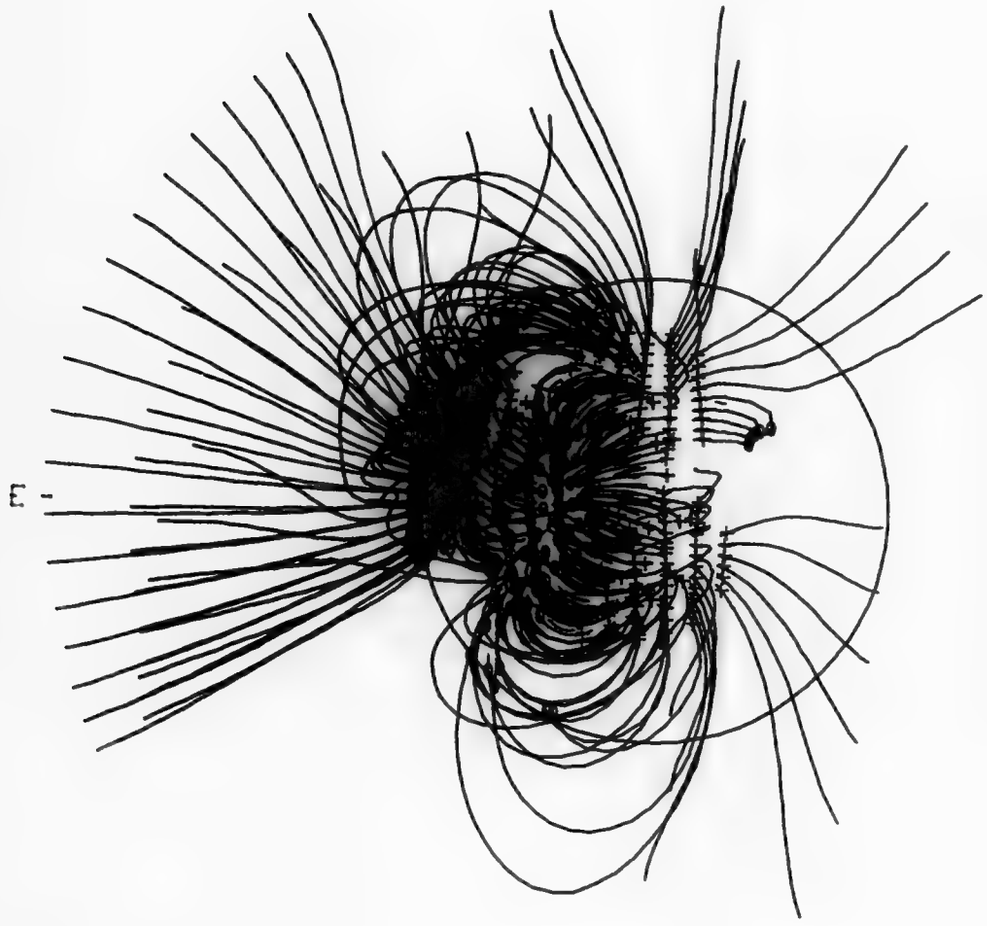
DATA WINDOW 1451.11

ROT. 1451 LONG. 60°

15.9 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

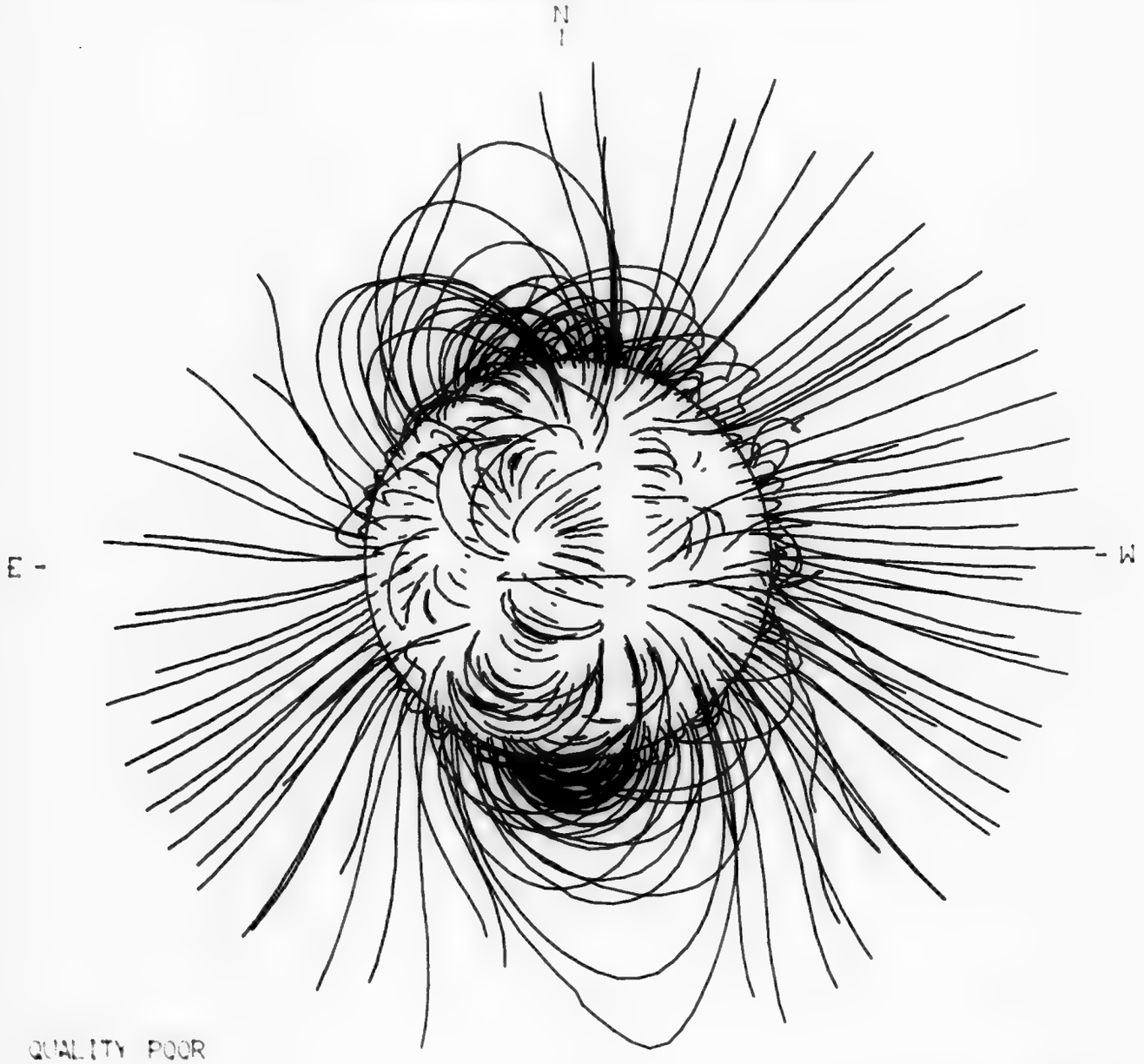
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 60°

15.9 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1451.11

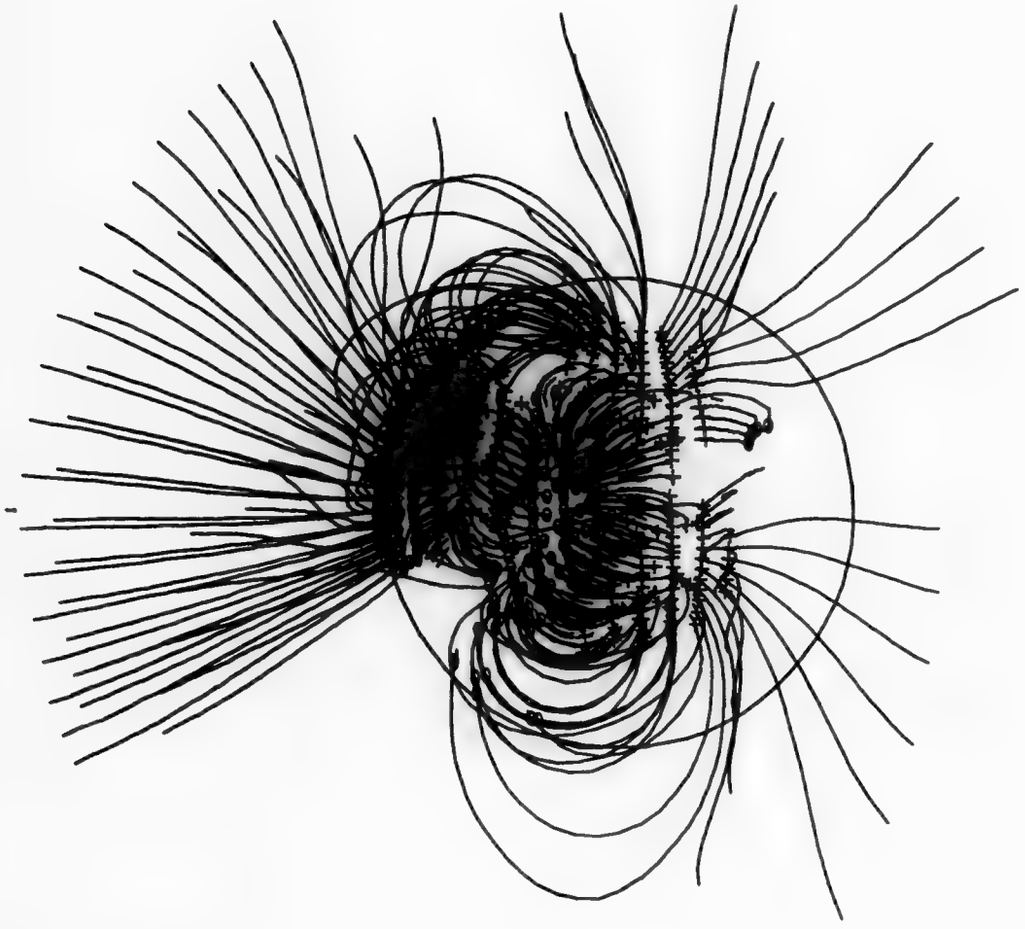
ROT. 1451 LONG. 50°

16.7 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

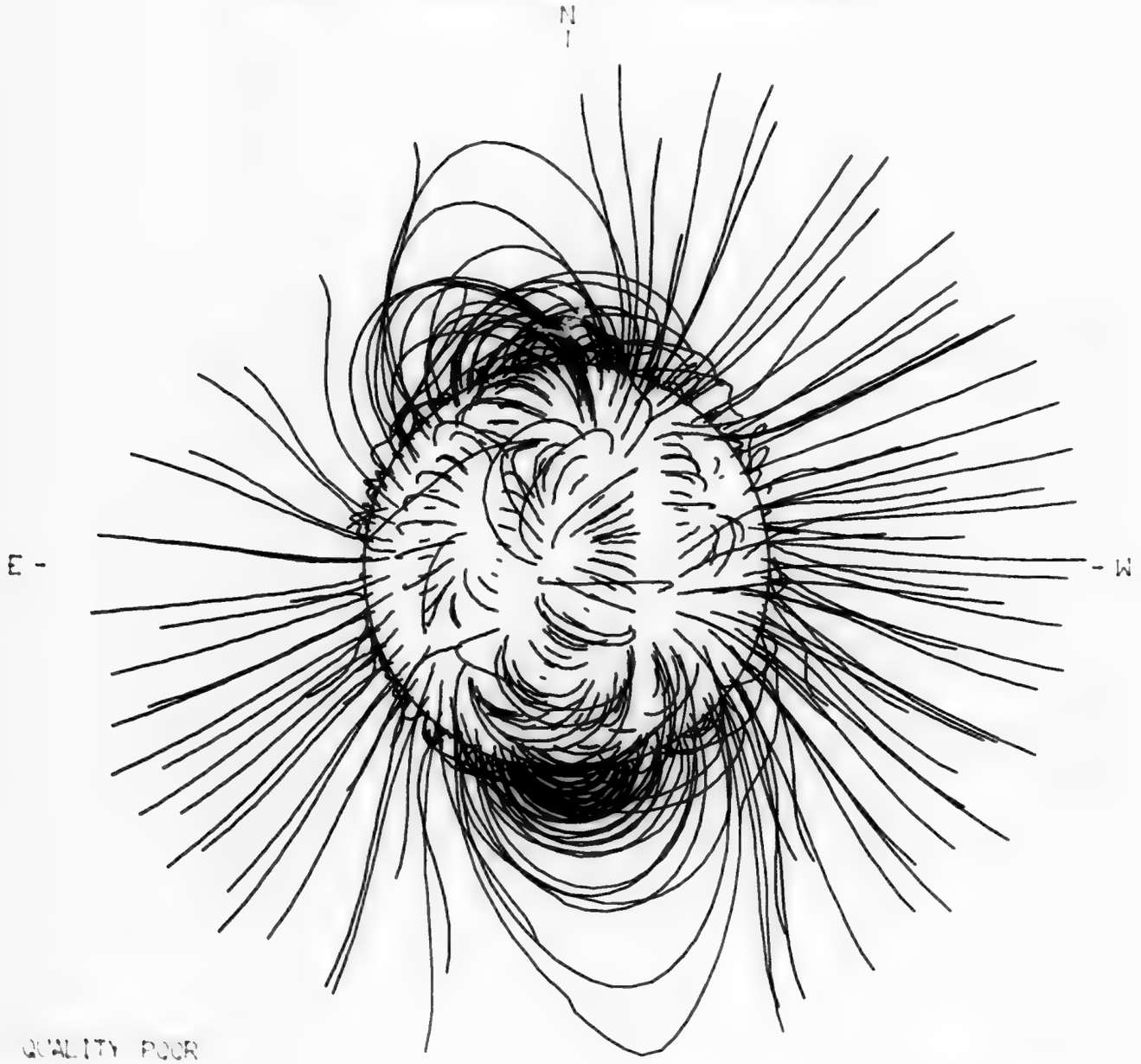
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 50°

16.7 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 40°

17.4 MAR 1962

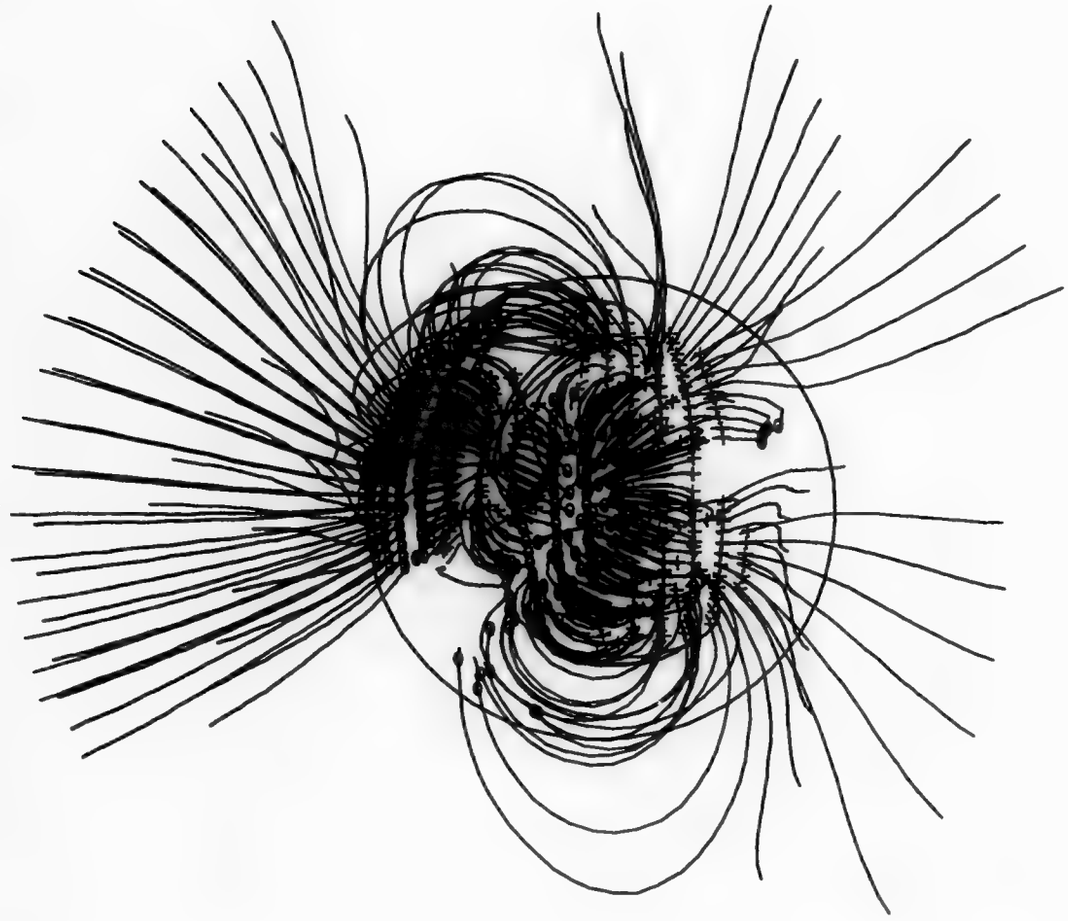
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

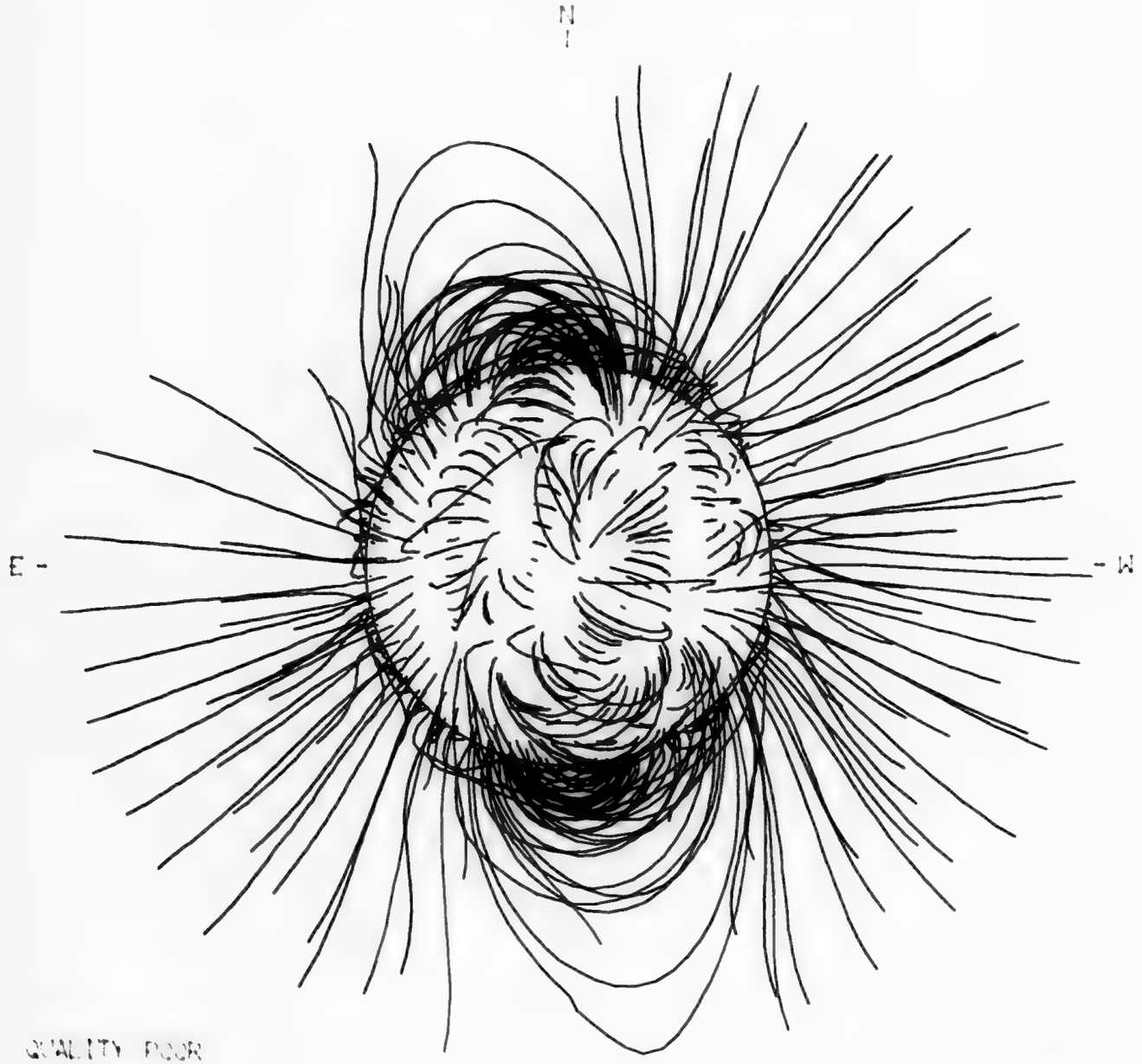
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 40°

17.4 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1451.11

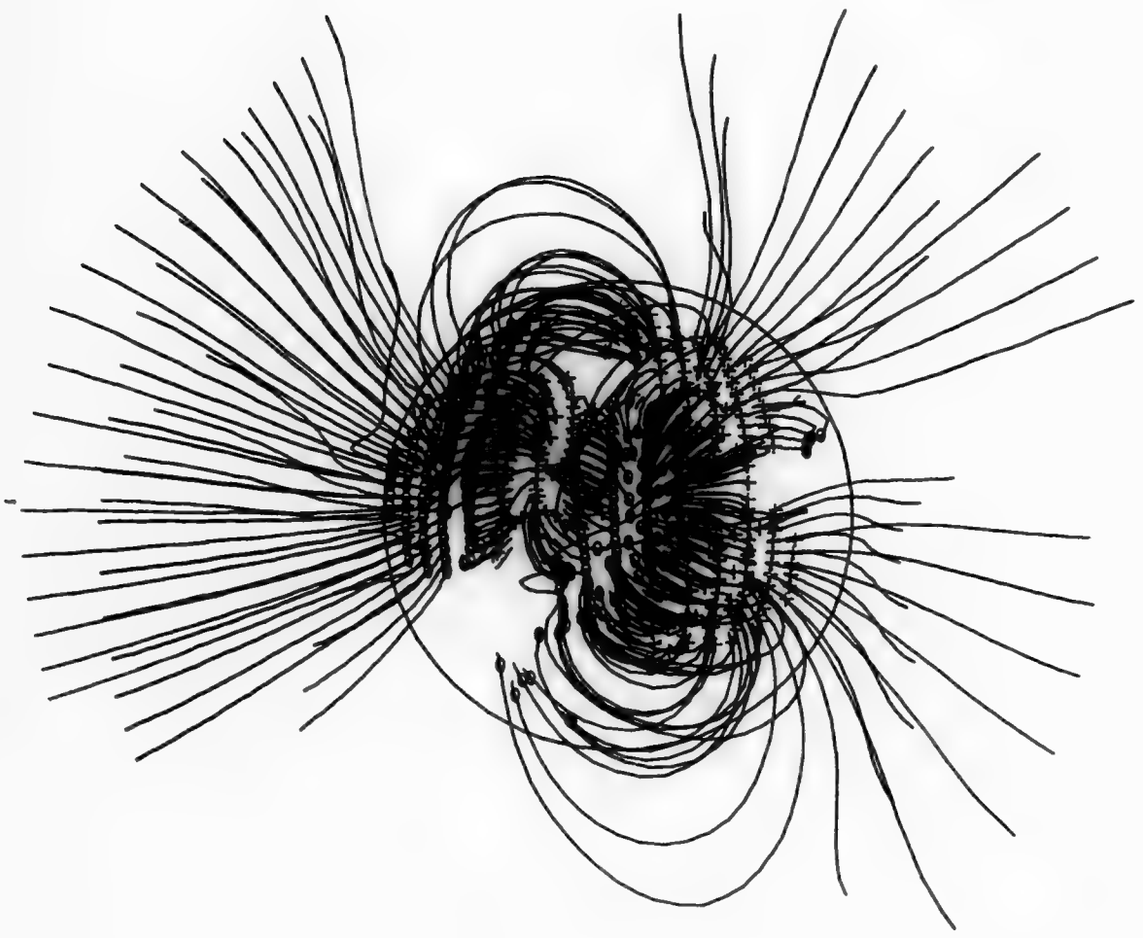
ROT. 1451 LONG. 30°

18.2 MAR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

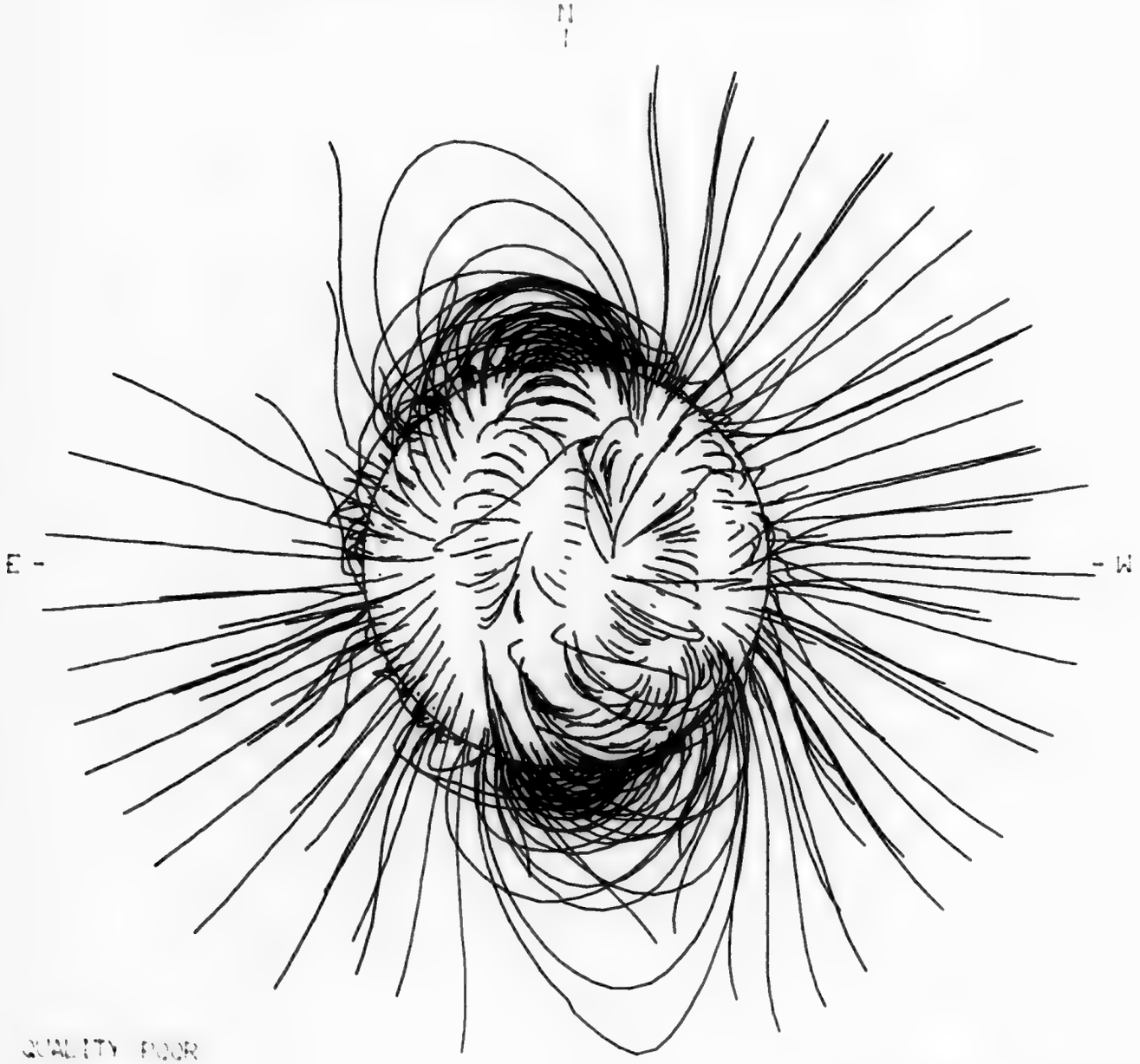
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 30°

18.2 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

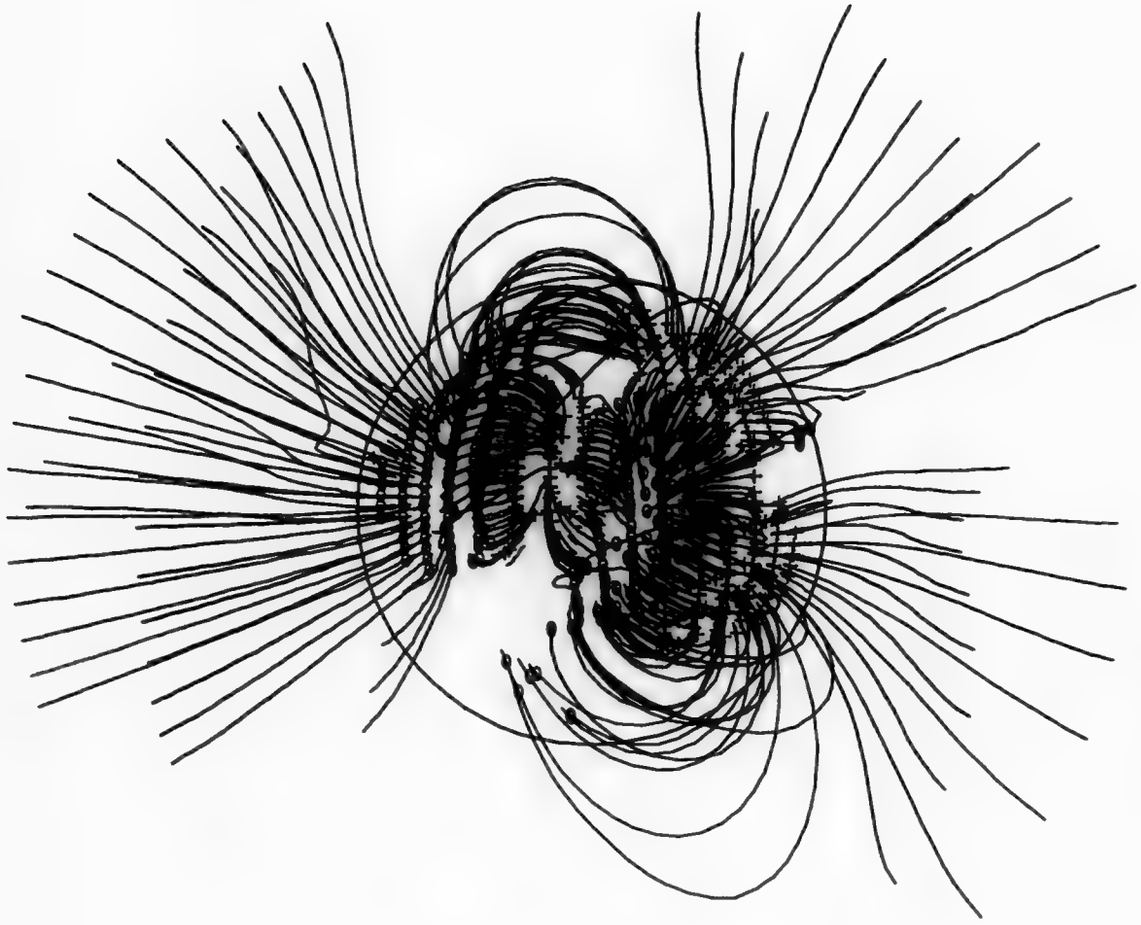
DATA WINDOW 1451.11

ROT. 1451 LONG. 20°

18.9 MAR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

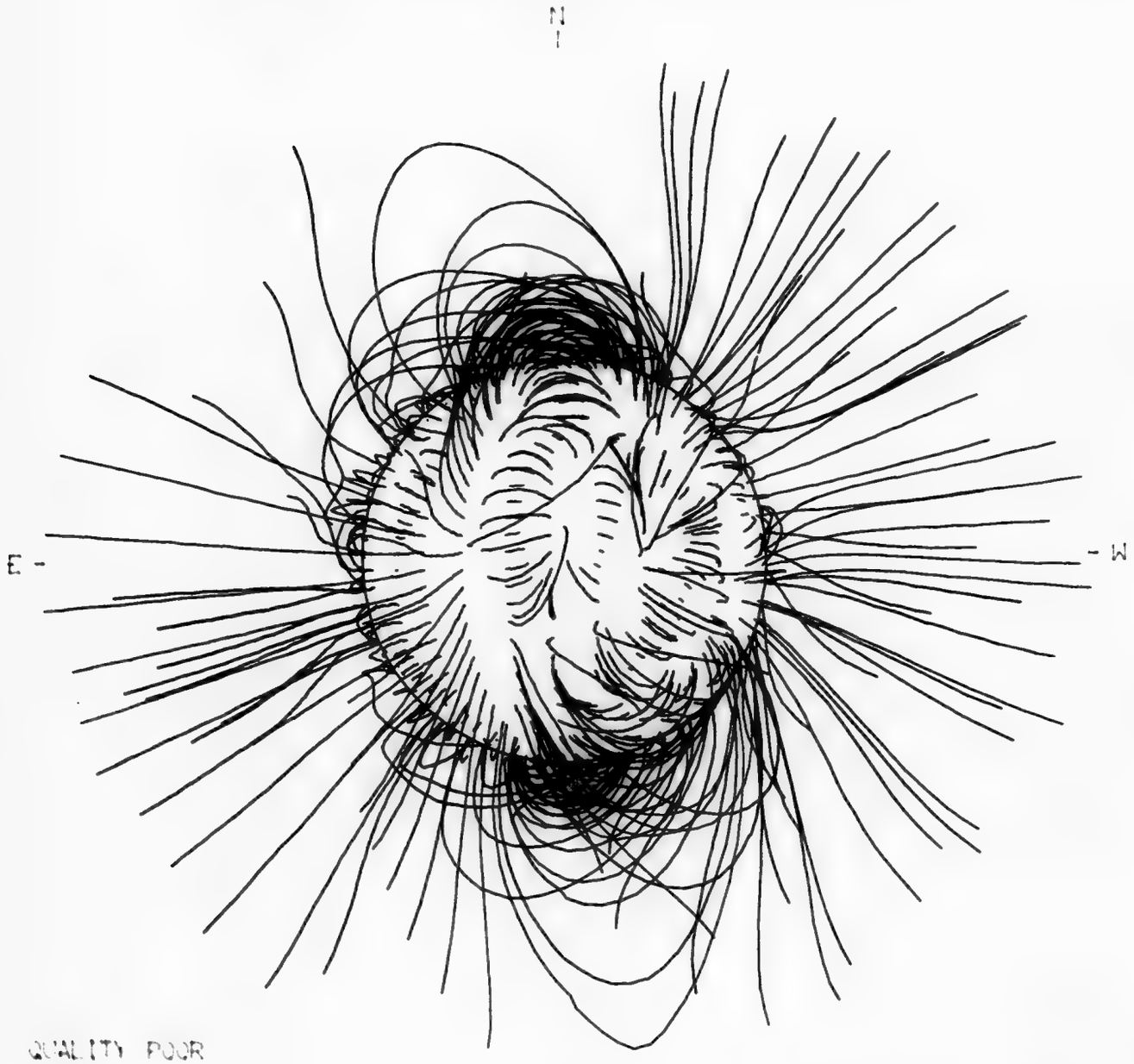
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 20°

18.9 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1351.11

ROT. 1451 LONG. 0°

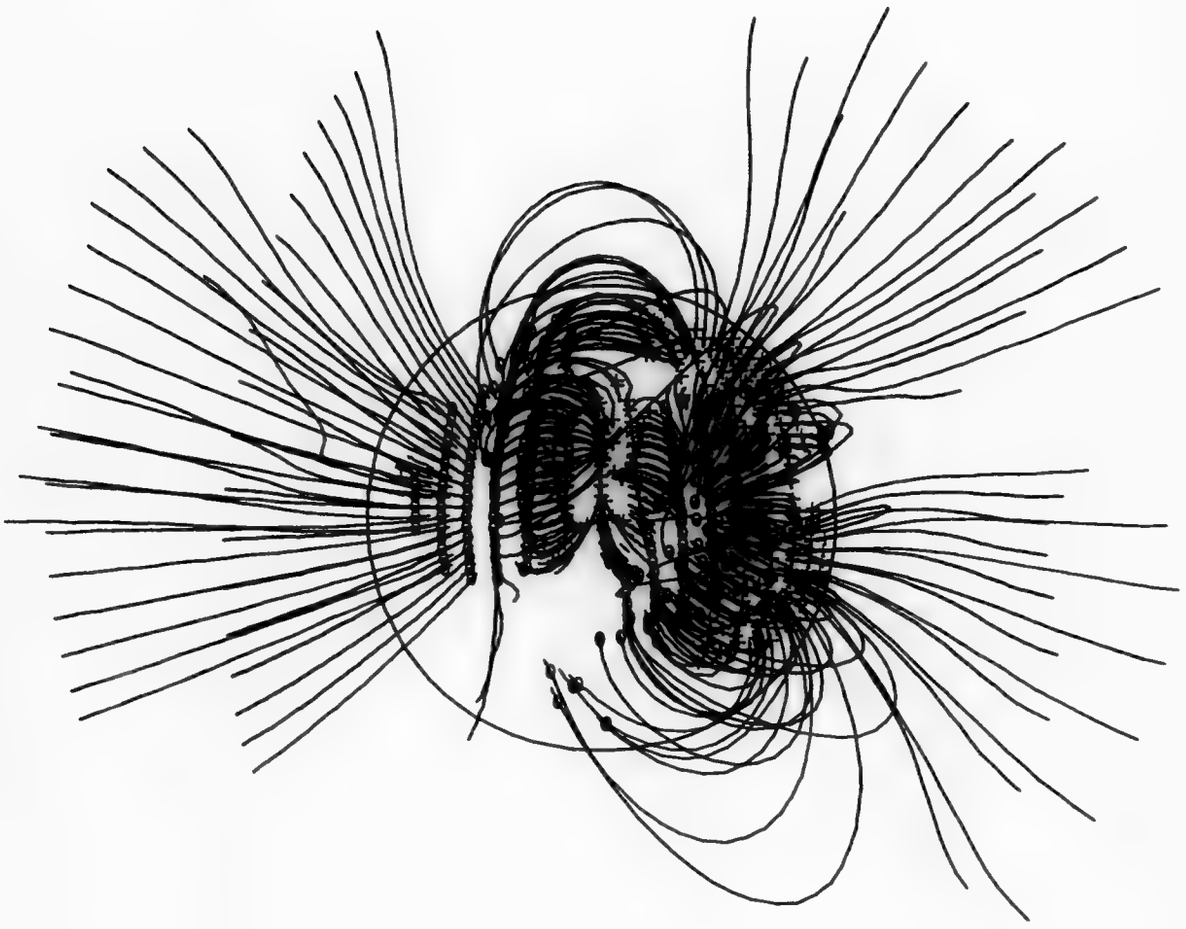
19.7 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E

W



S

QUALITY POOR

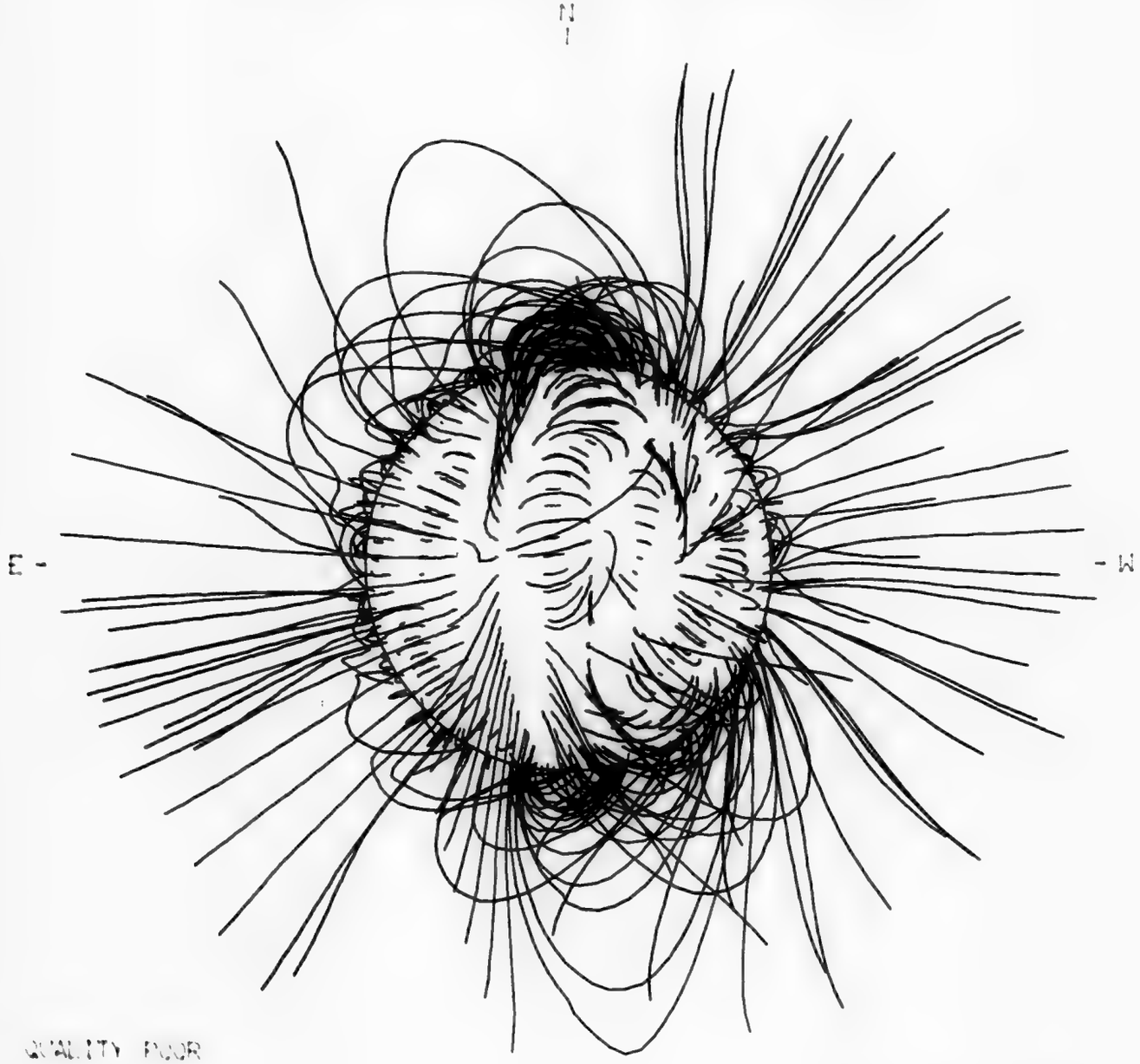
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 10°

19.7 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

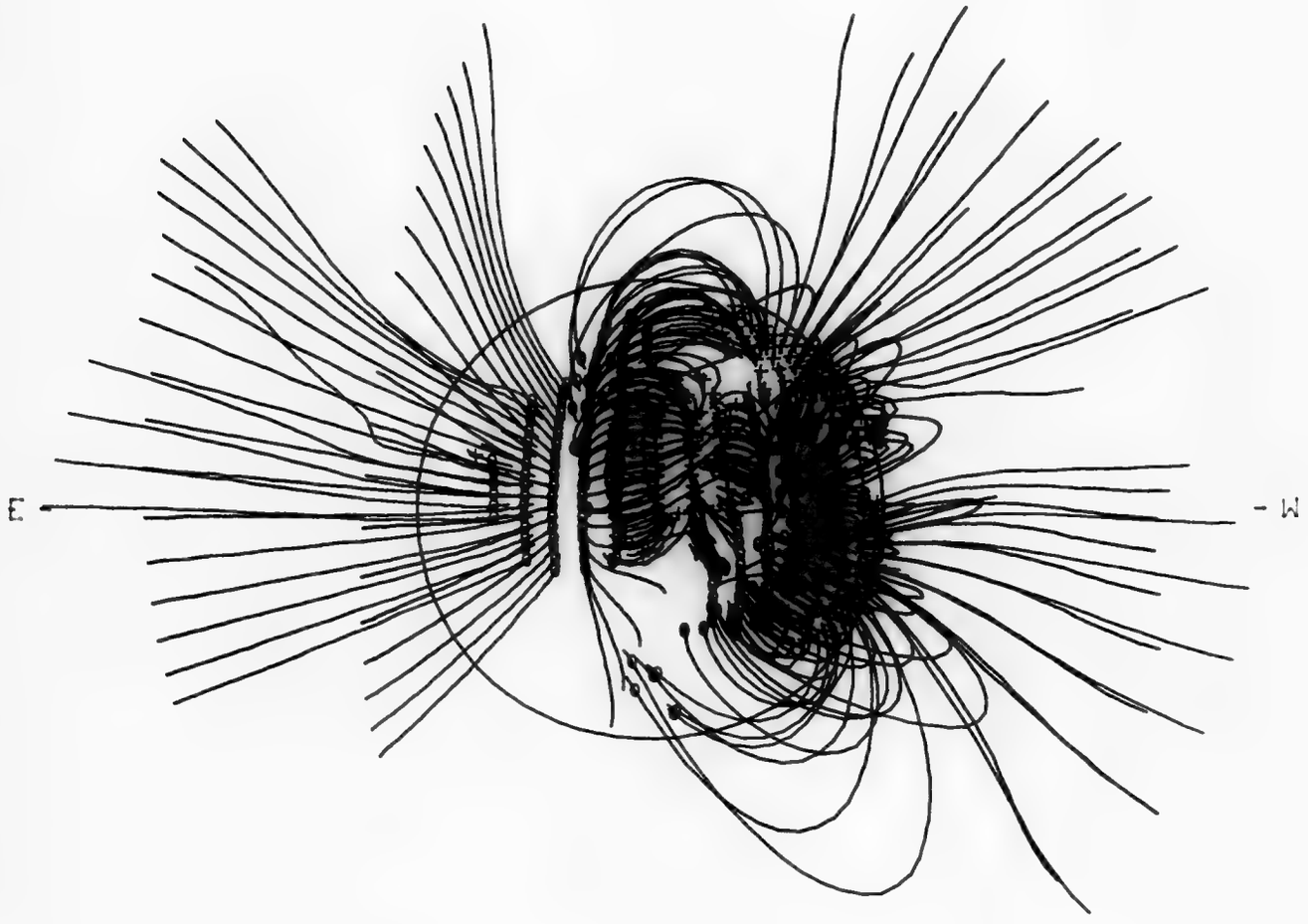
DATA WINDOW 1451.11

ROT. 1451 LONG. 0°

20.4 MAR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



S

QUALITY POOR

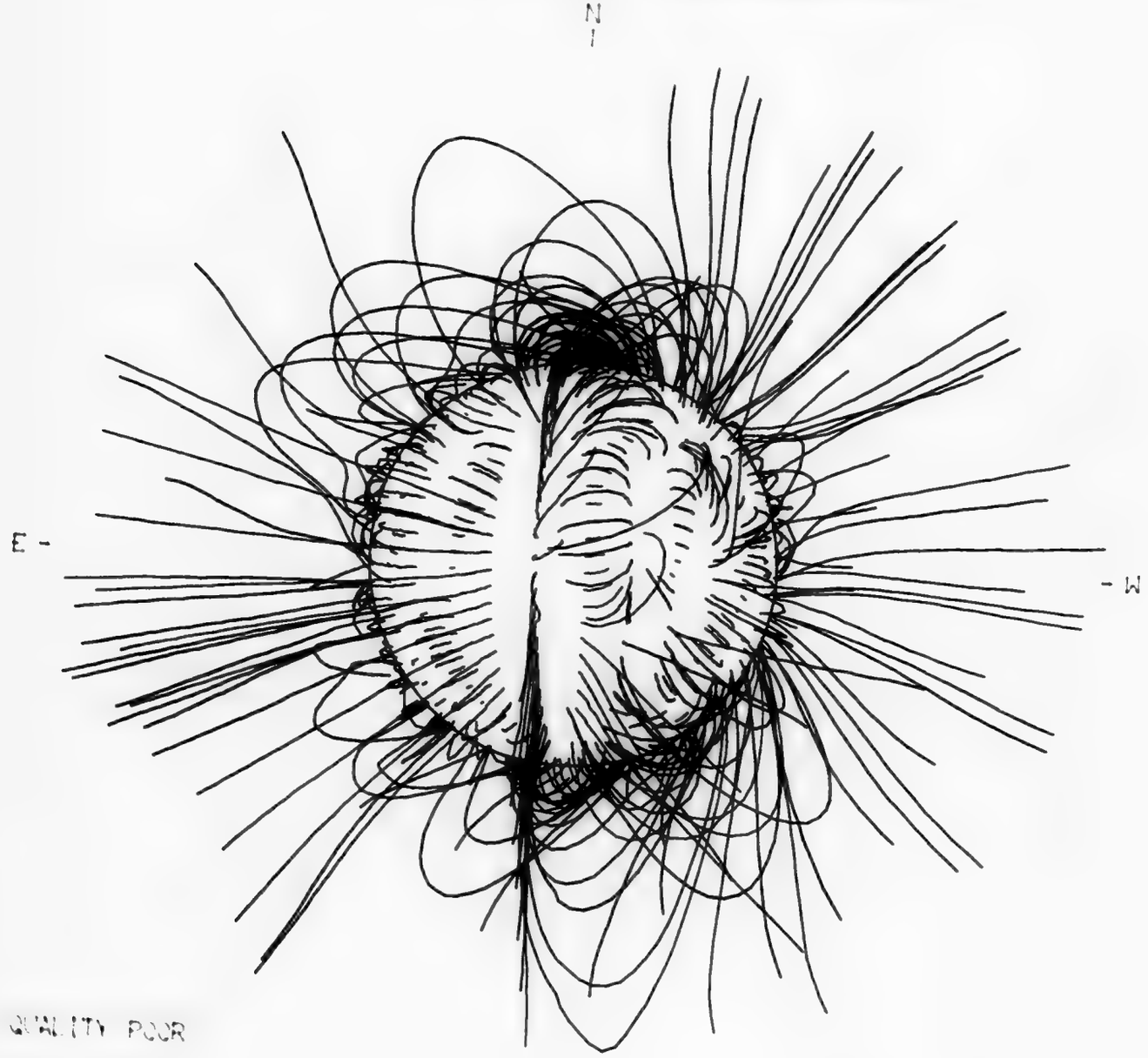
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1451 LONG. 0°

20.4 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

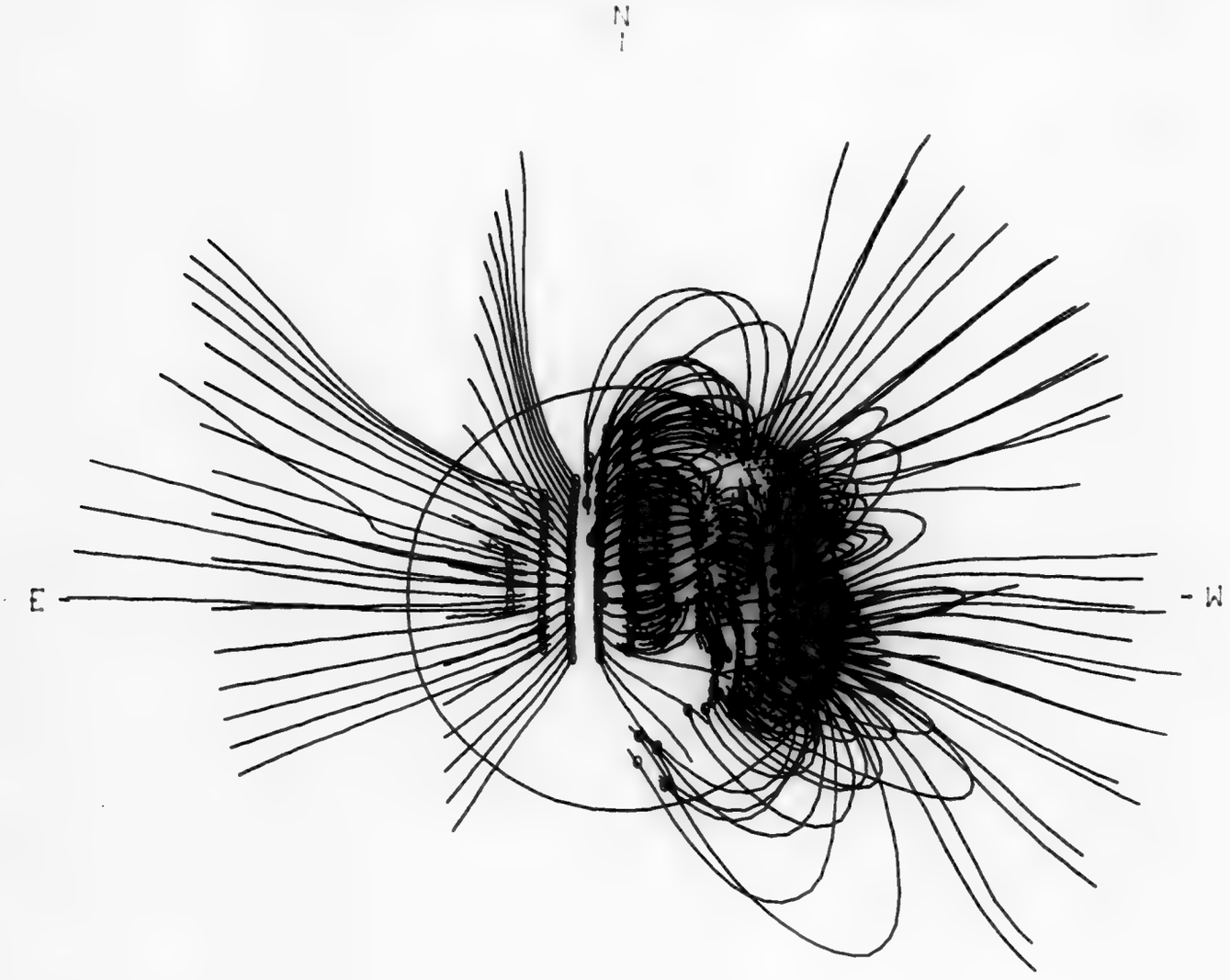
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1452 LONG. 350°

21.2 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

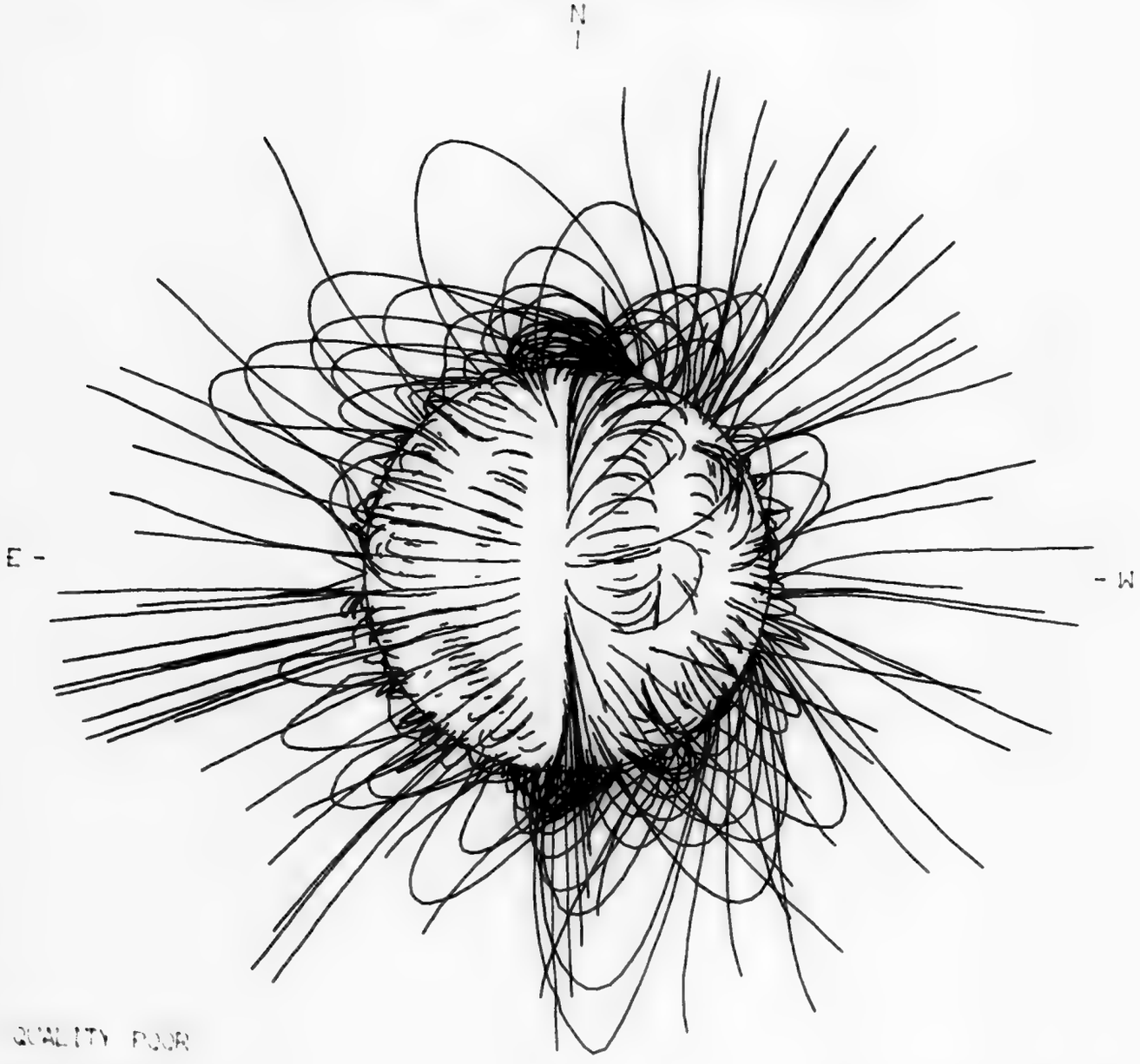
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1452 LONG. 350°

21.2 MAR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

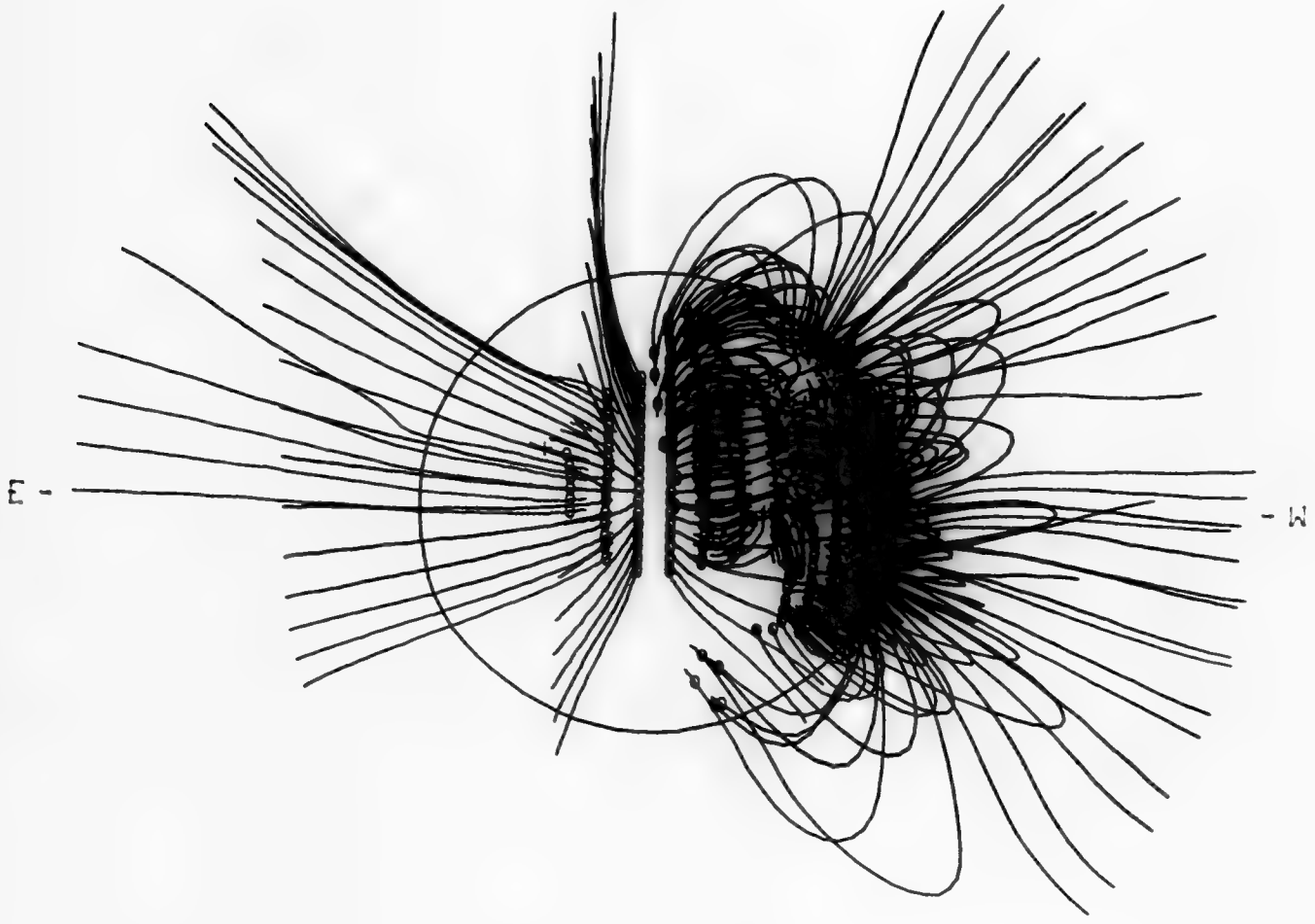
DATA WINDOW 1451.11

ROT. 1452 LONG. 340°

22.0 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



S

QUALITY POOR

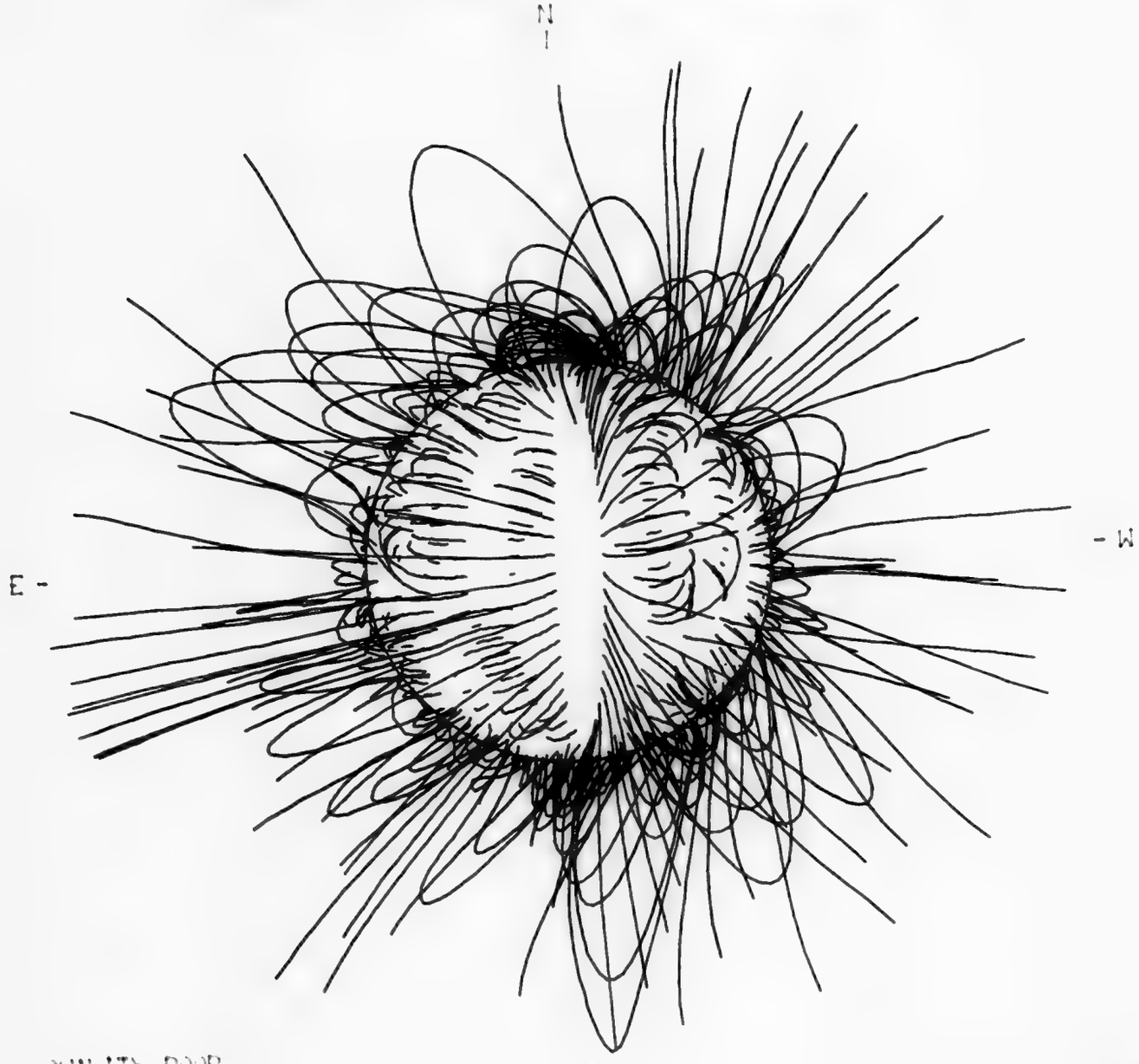
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1452 LONG. 340°

22.0 MAR 1962

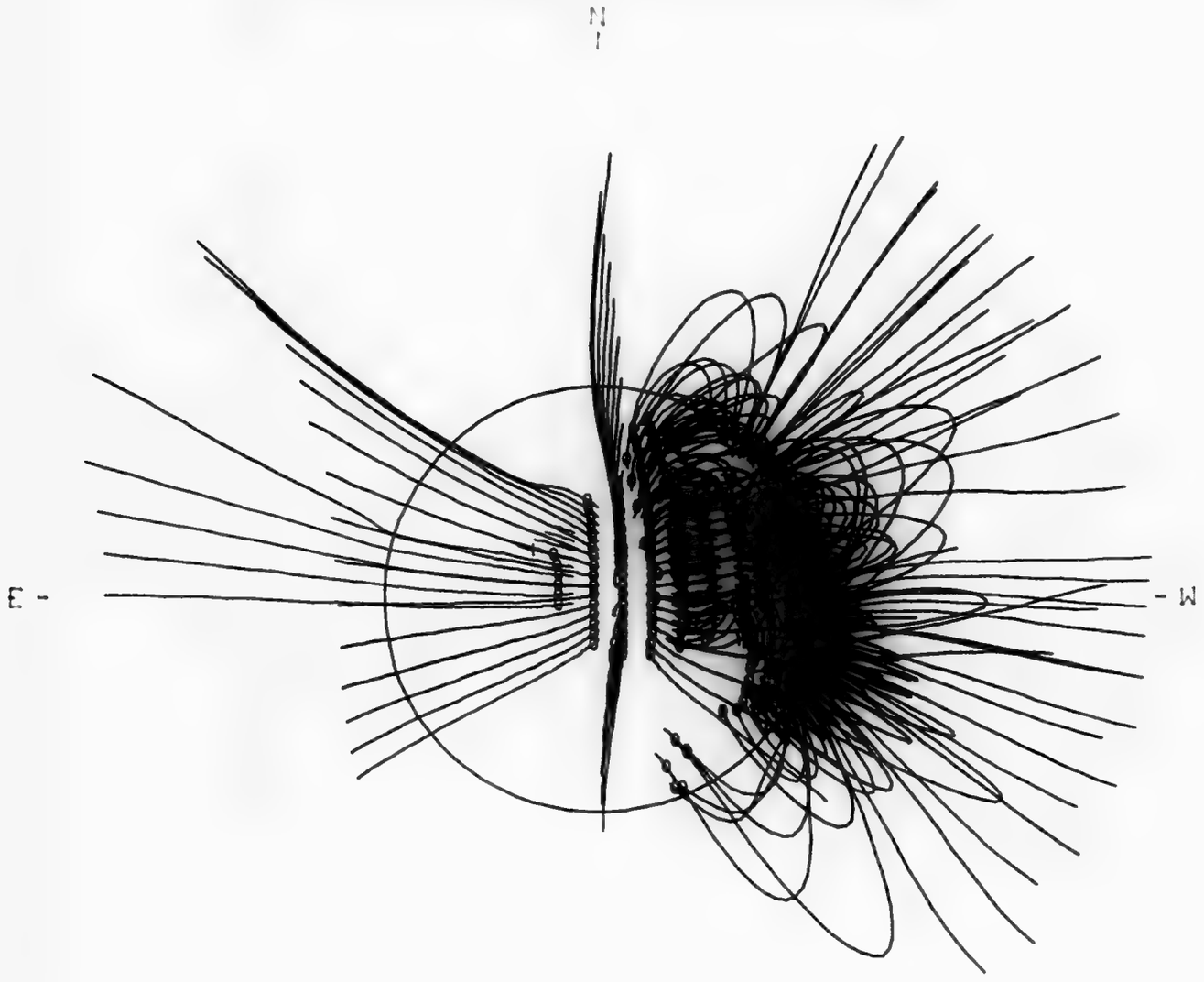
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1451.1

ROT. 1452 LONG. 330°
22.7 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

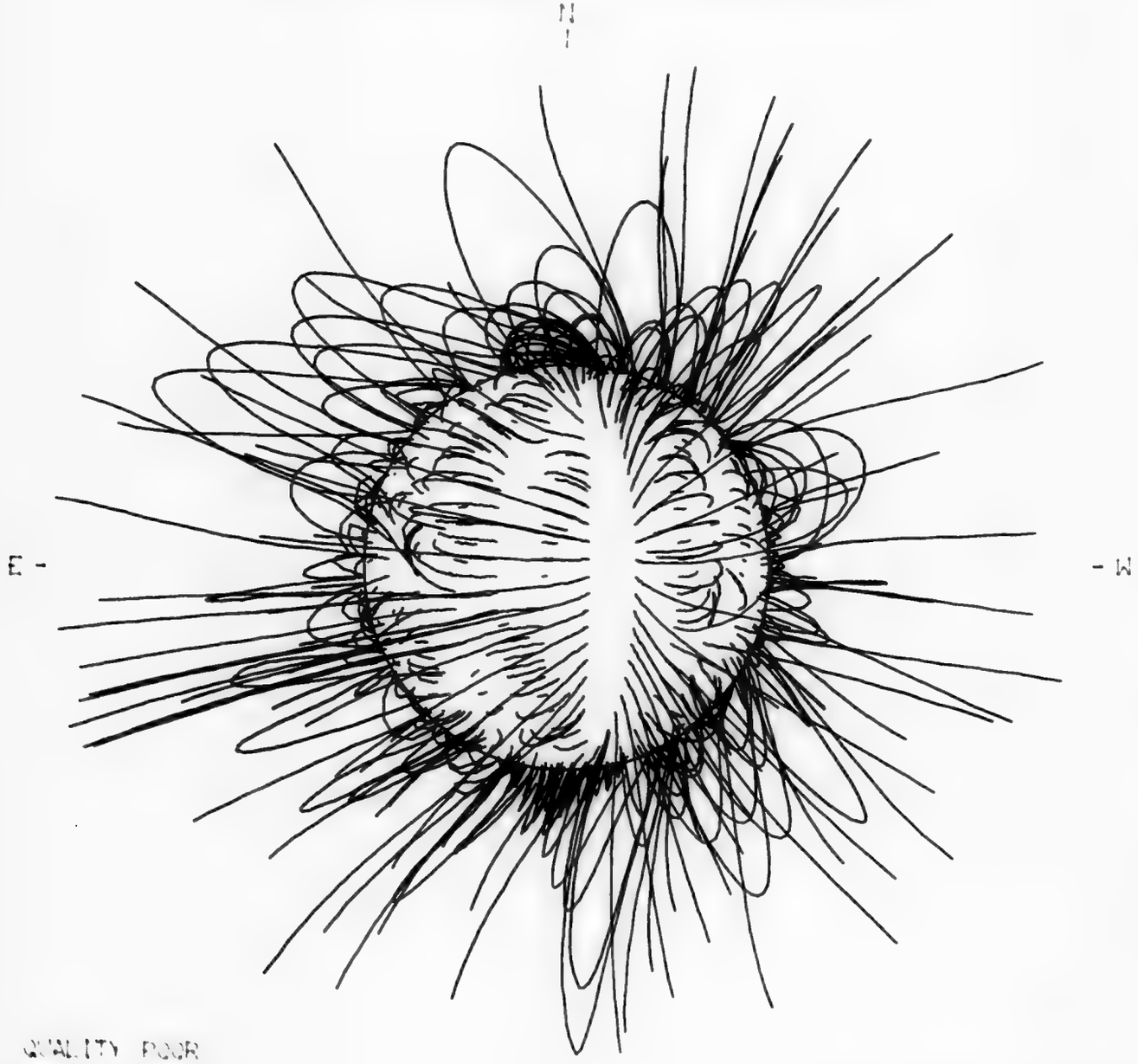
POLES DIRECT

DATA WINDOW 1451.11

ROT. 1452 LONG. 330°

22.7 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.851, 11

ROT. 1452 LONG. 320°

23.5 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

QUALITY POOR

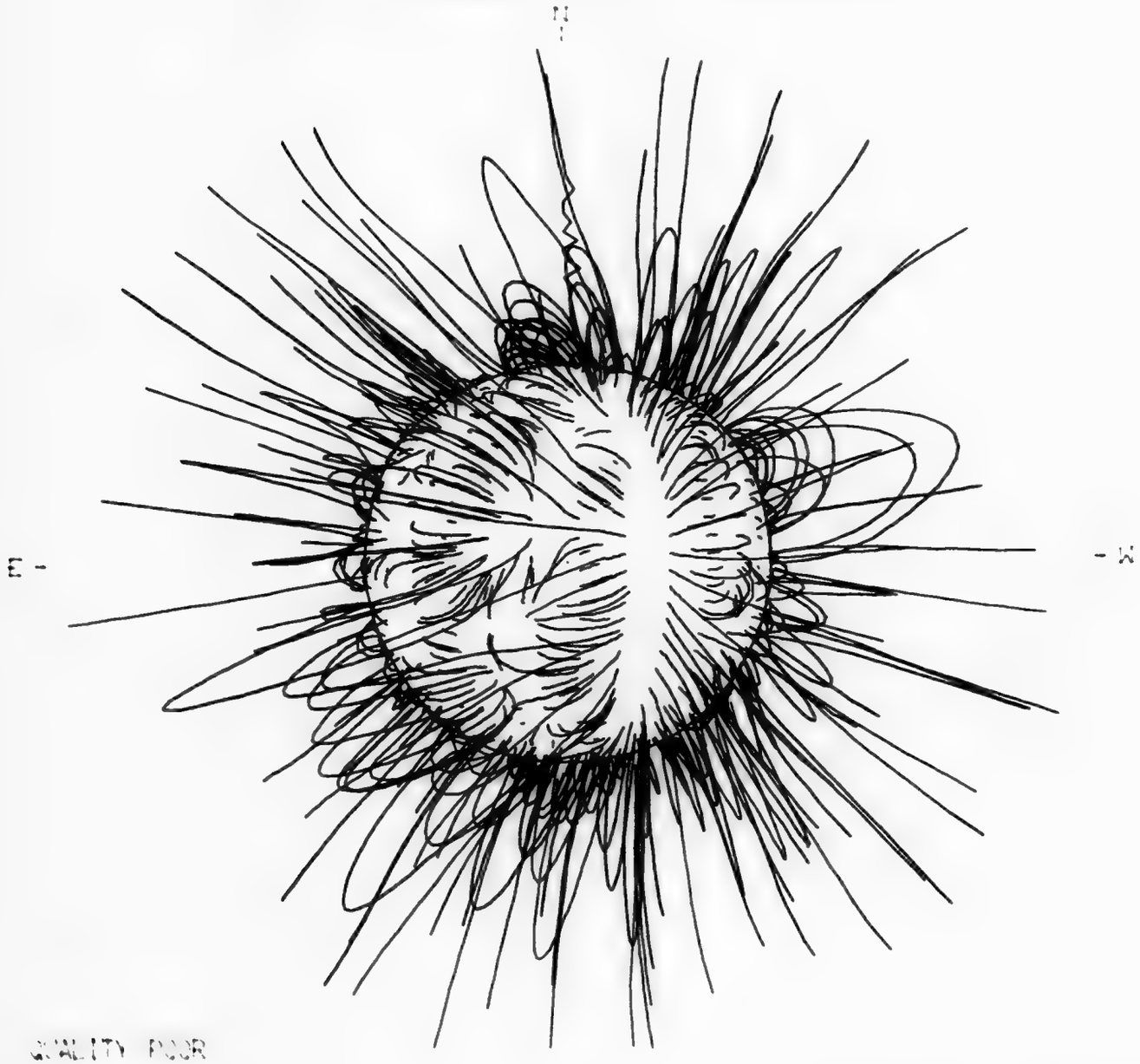
POLES DIRECT

DATA WINDOW 1351,11

ROT. 1452 LONG. 320°

23.5 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.11

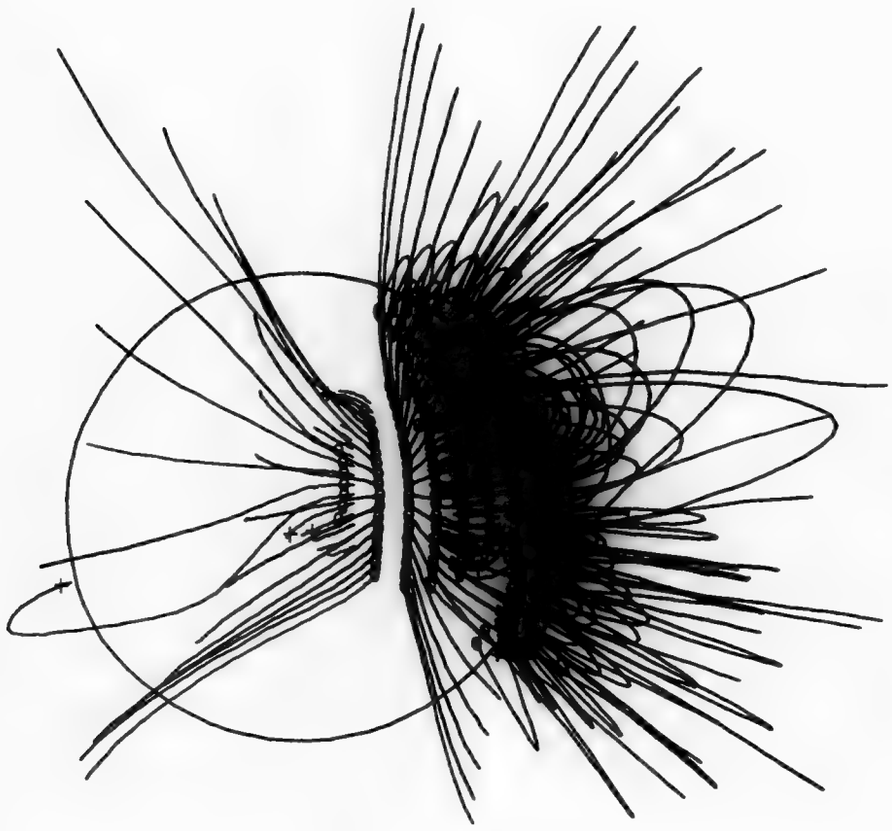
ROT. 1452 LONG. 31°

24.3 MAR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

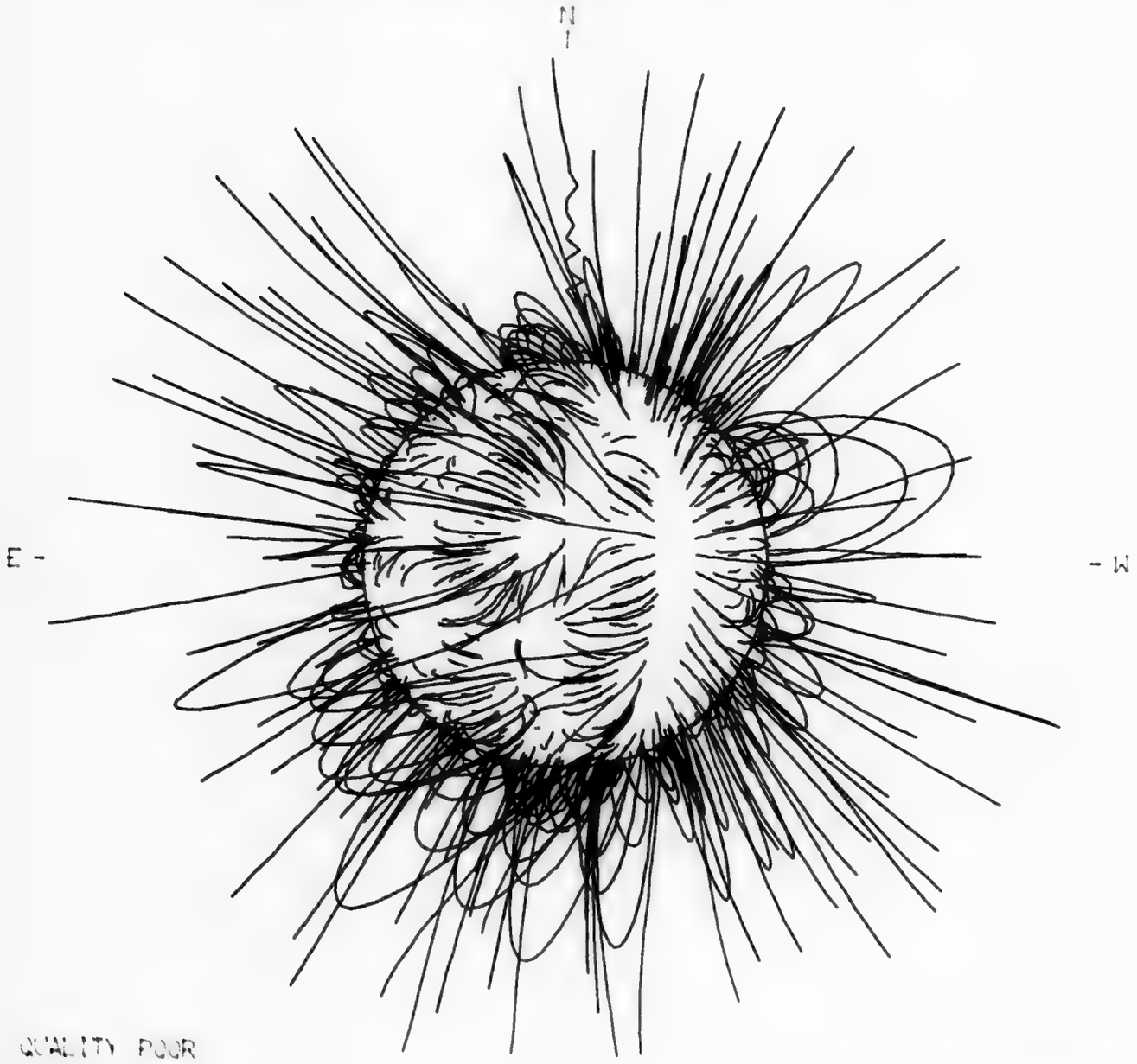
POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 3[illegible]°

24.3 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.11

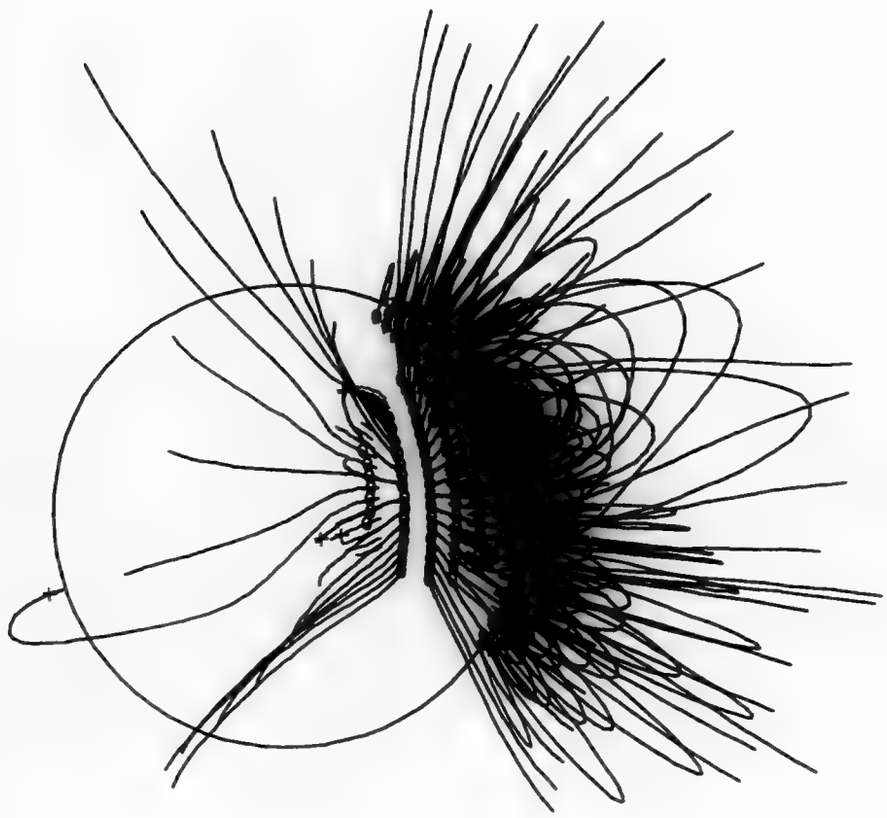
ROT. 1452 LONG. 300°

25.0 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

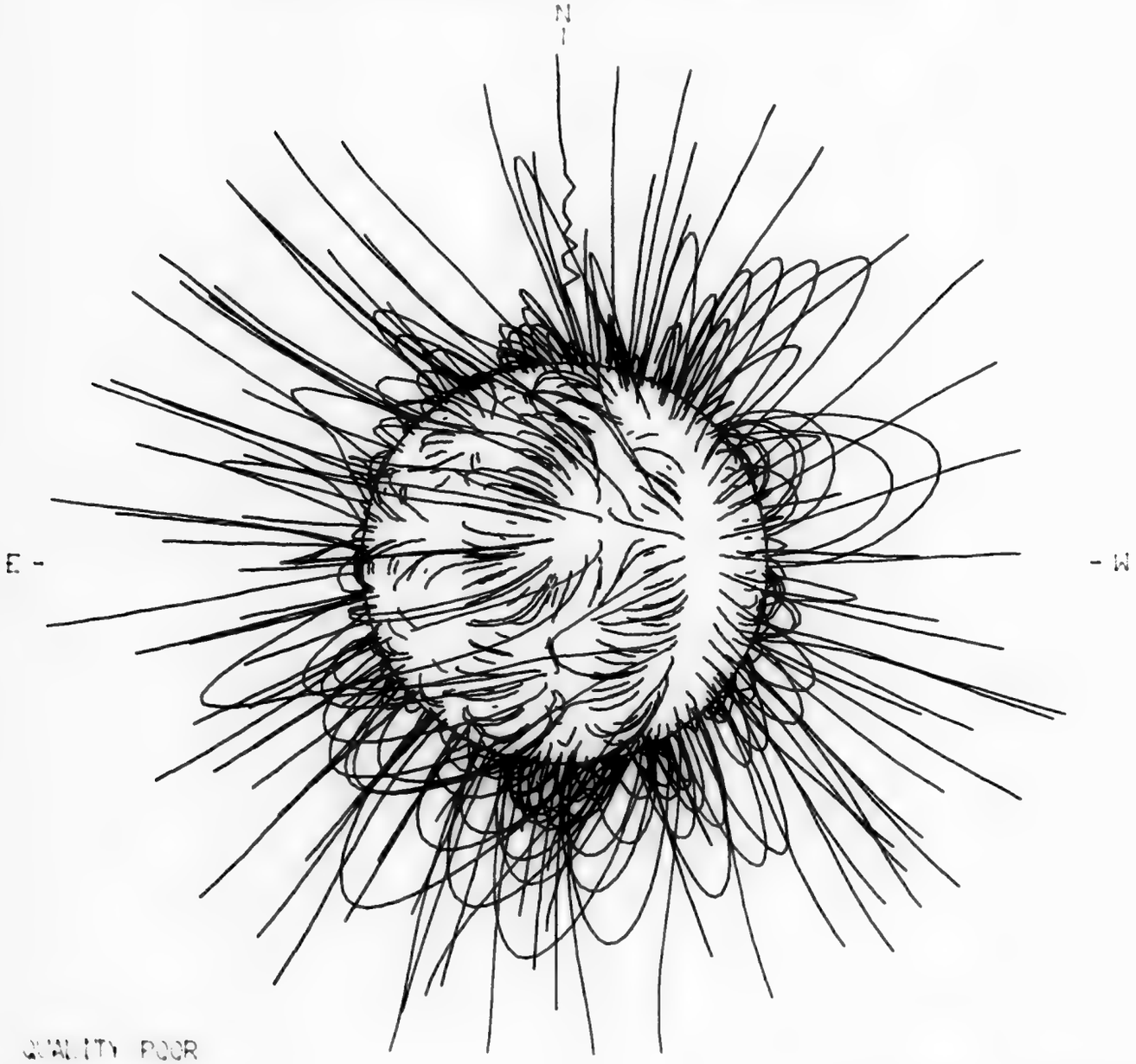
POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 300°

25.0 MAR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.11

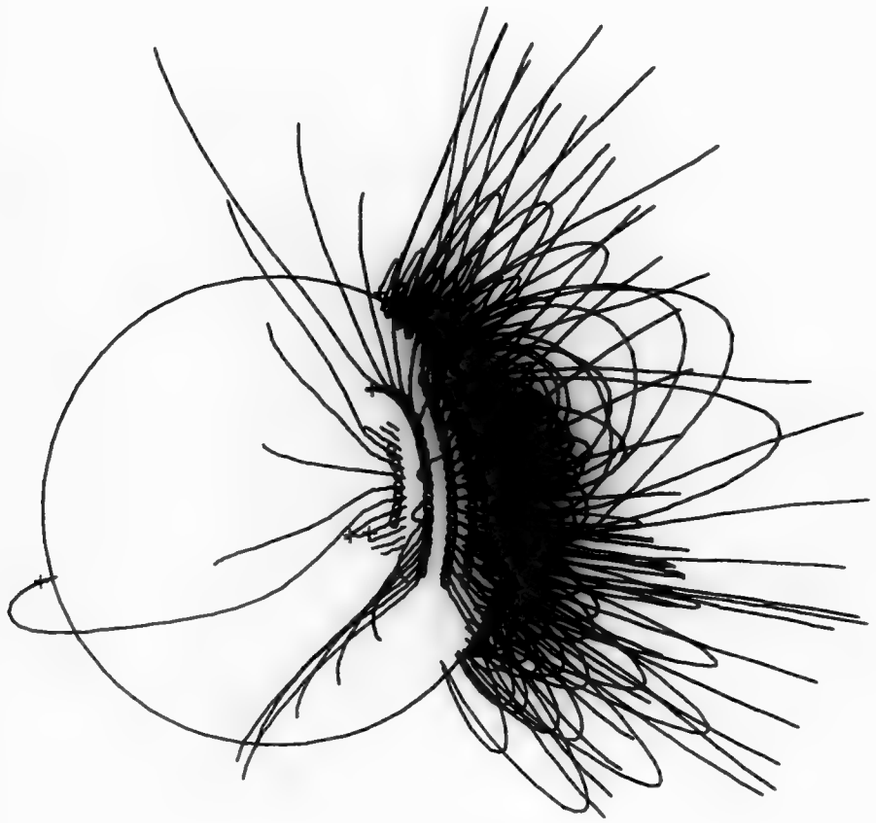
ROT. 1452 LONG. 290°

25.8 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

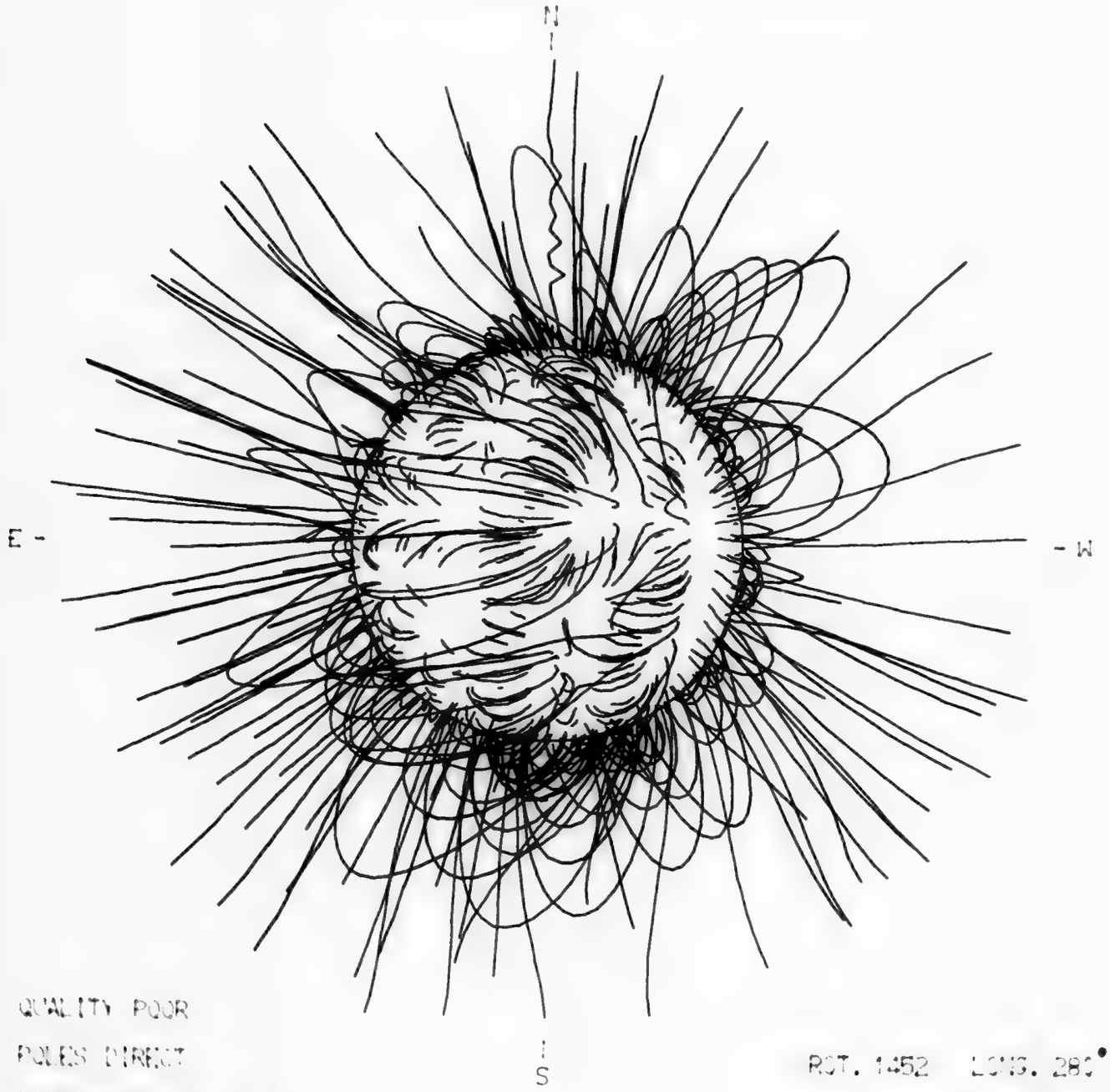
POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 290°

25.8 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.11

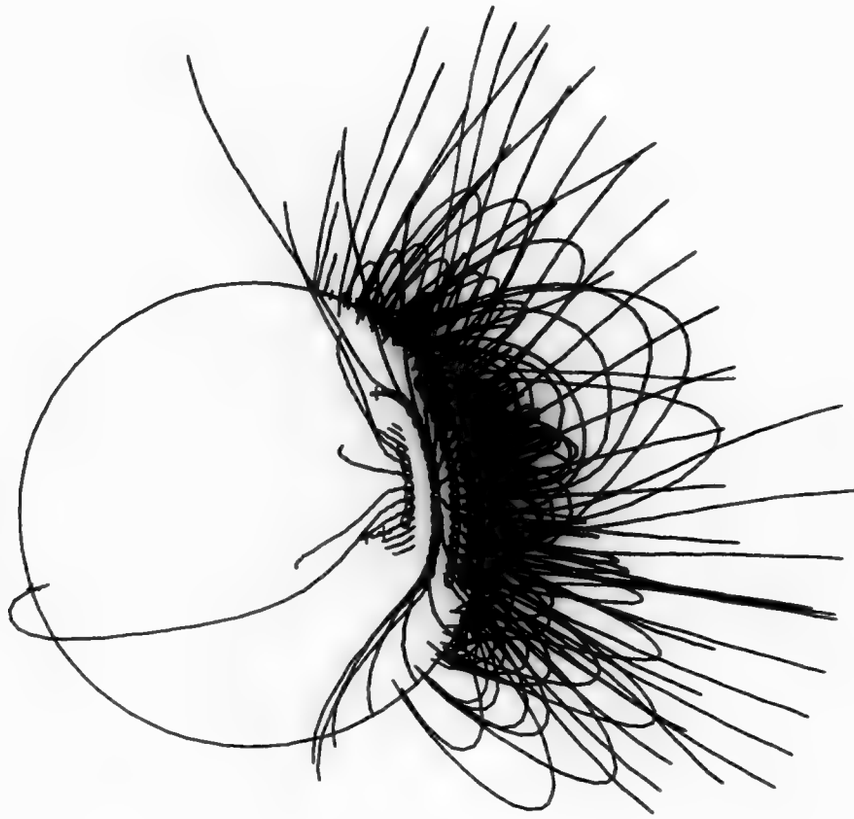
ROT. 1452 LONG. 280°

26.5 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

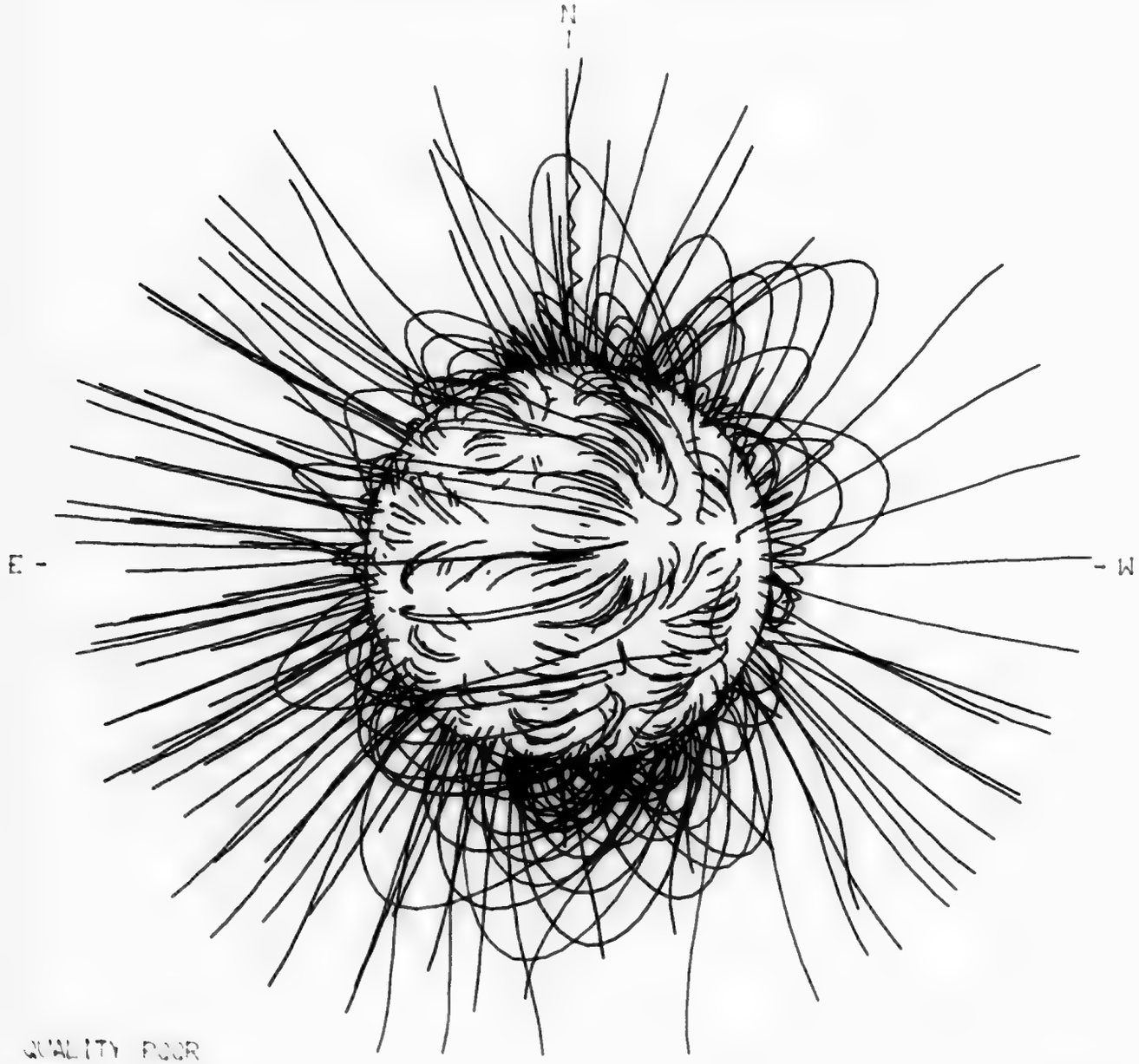
POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 280°

26.5 MAR 1452

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.11

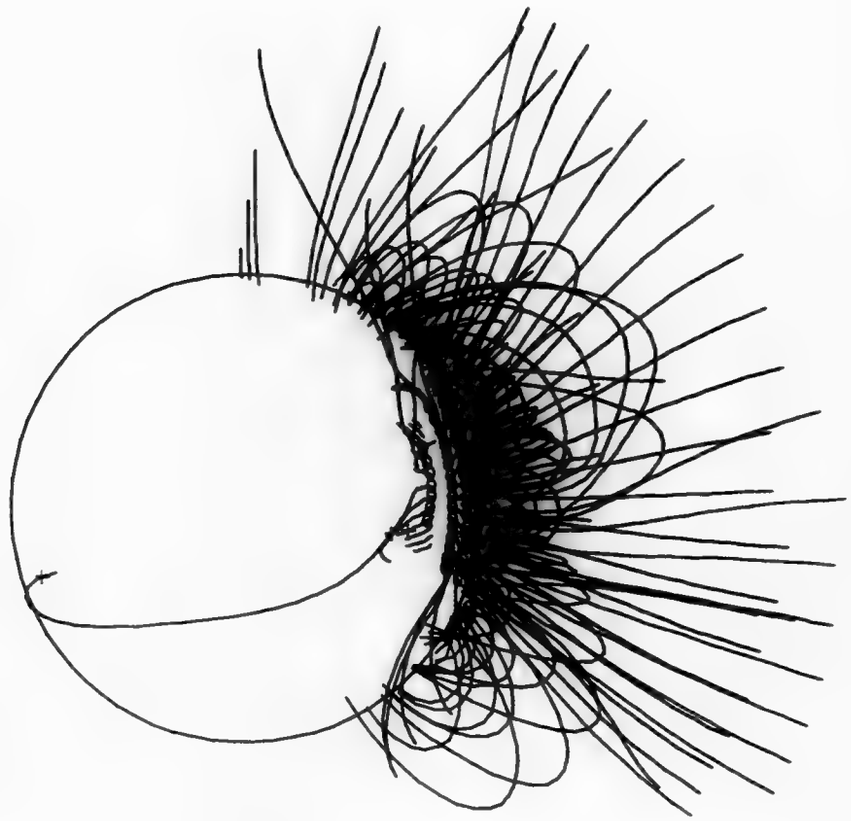
ROT. 1452 LONG. 270°

27.3 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

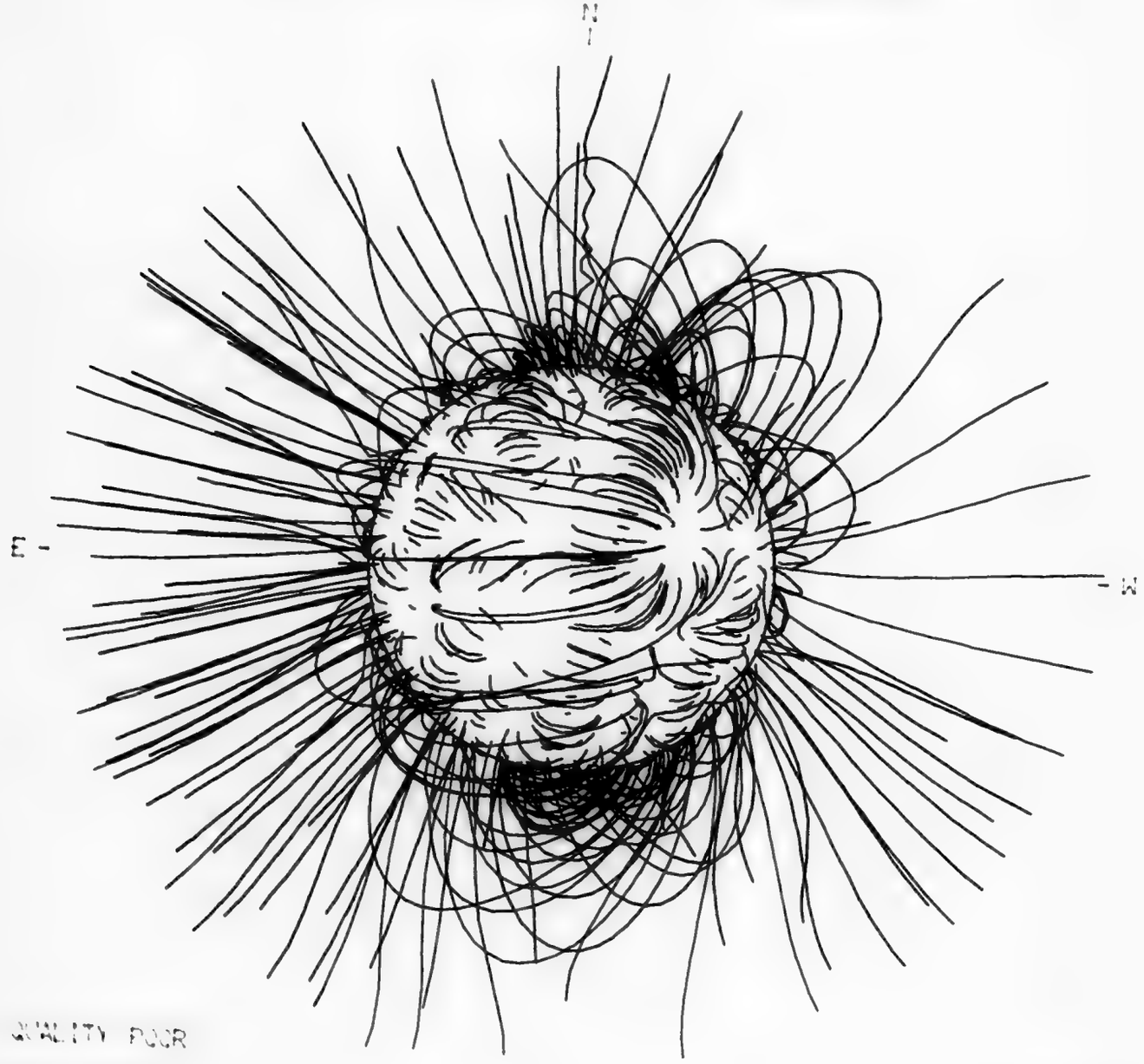
POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 270°

27.3 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1352.11

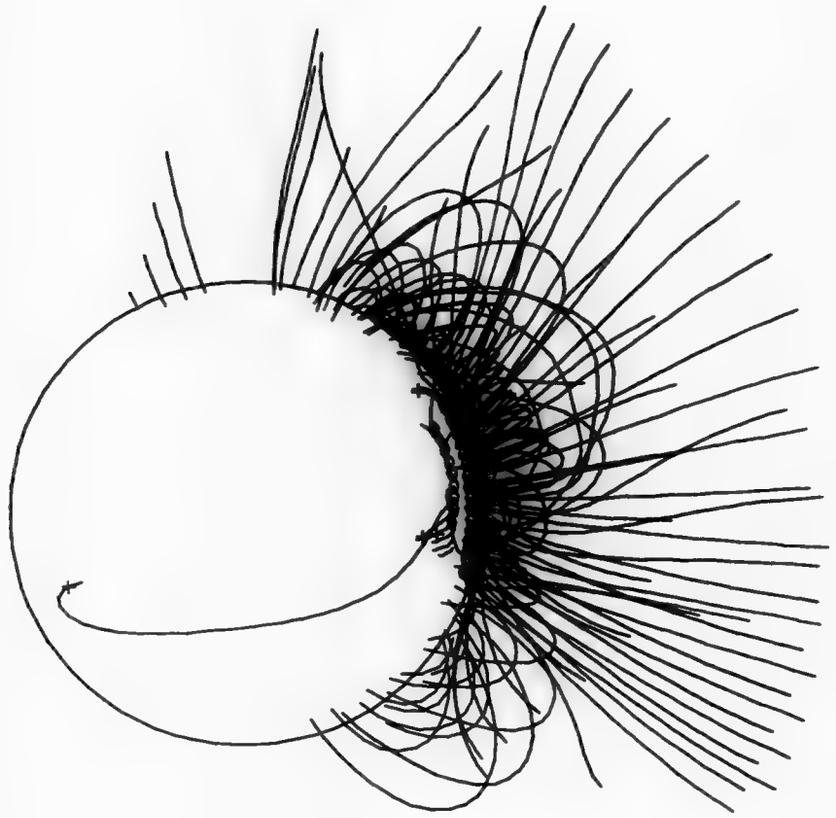
ROT. 1452 LONG. 250°

28.1 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

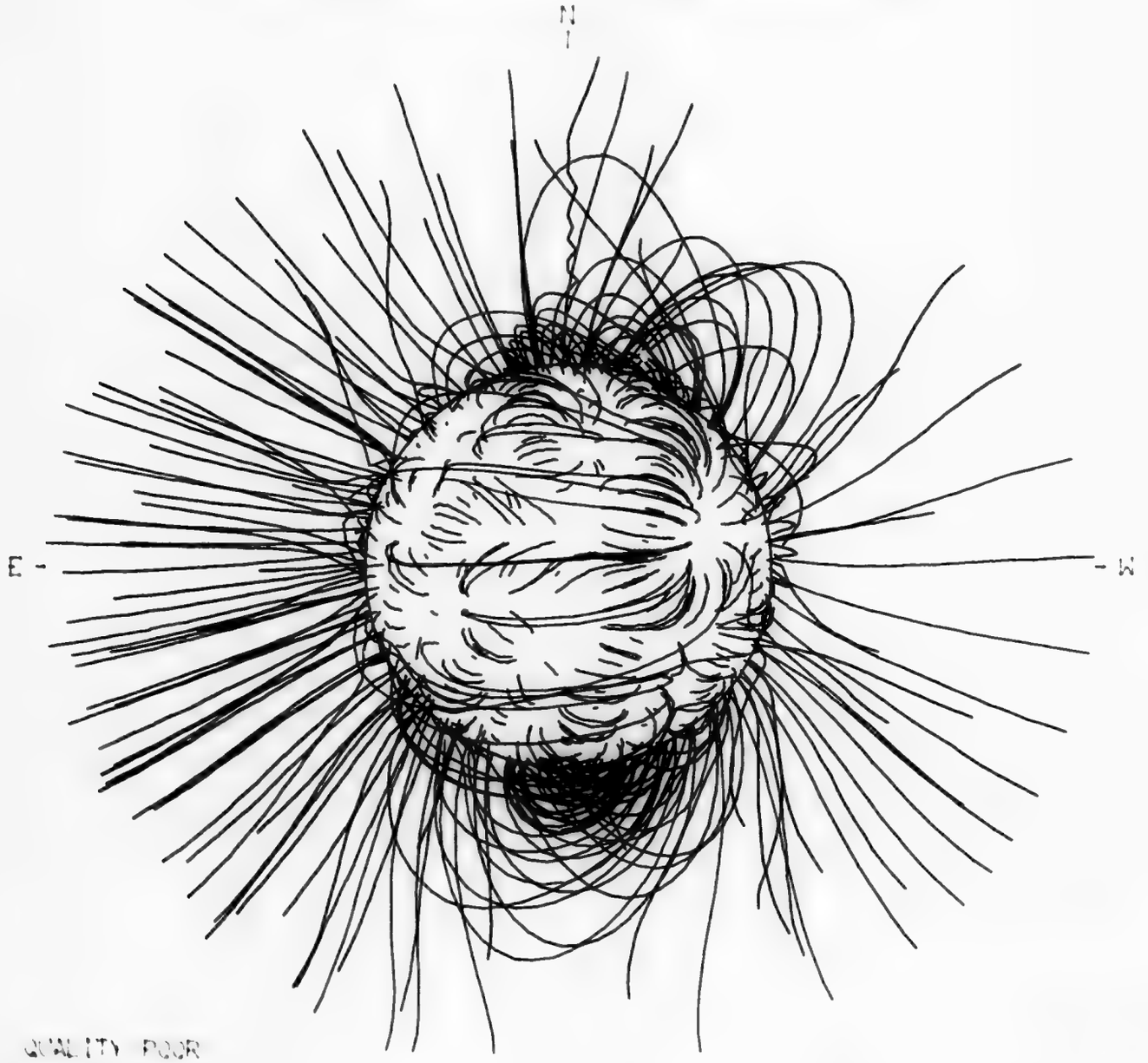
POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 260°

28.1 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.11

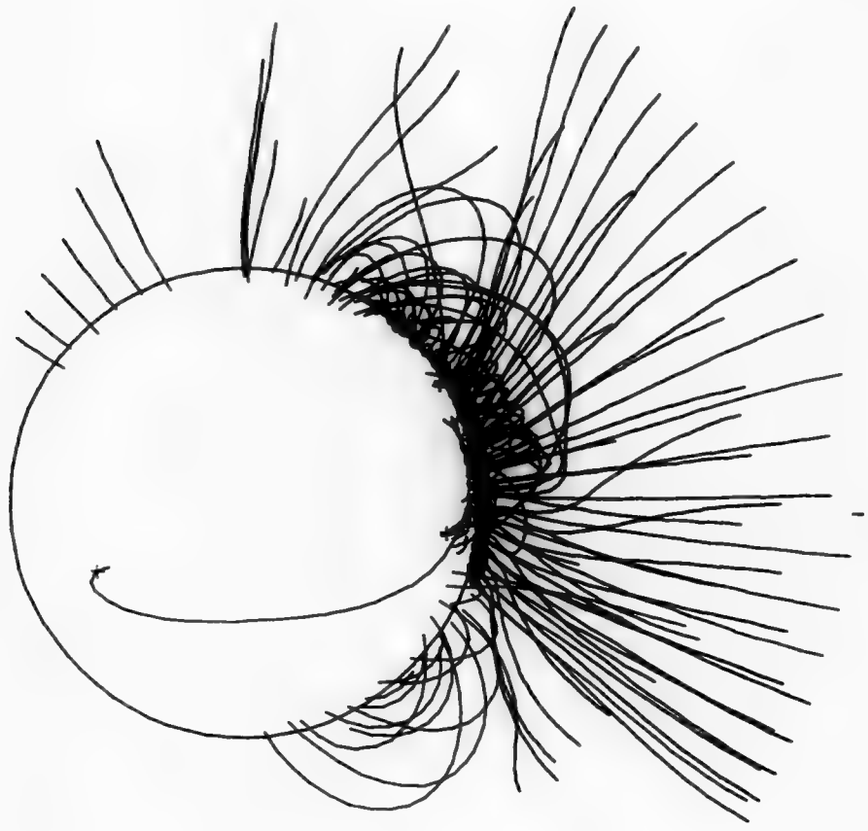
ROT. 1452 LONG. 250°

28.8 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

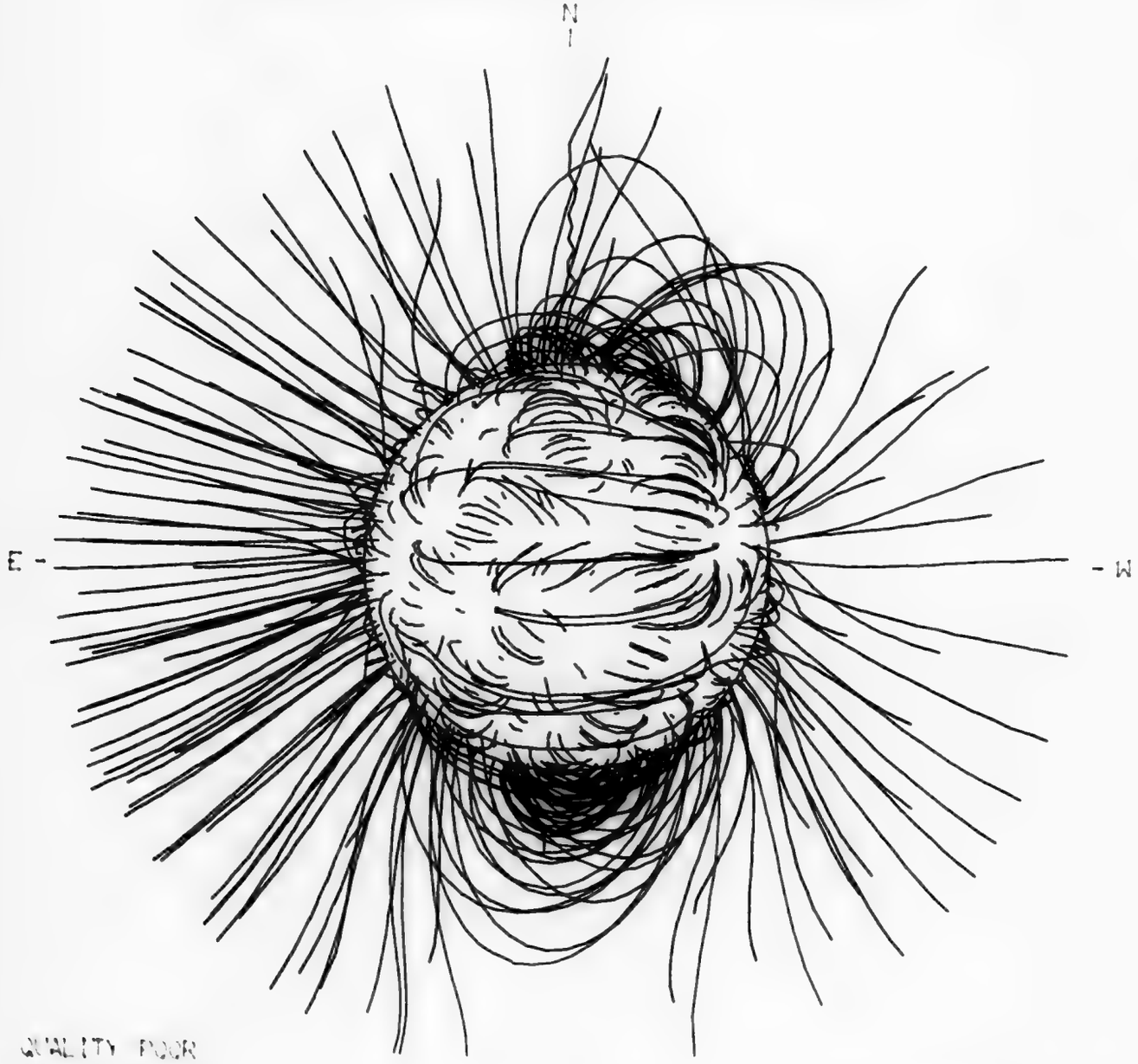
POLES DIRECT

DATA WINDOW 1450.11

ROT. 1452 LONG. 250°

28.8 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.11

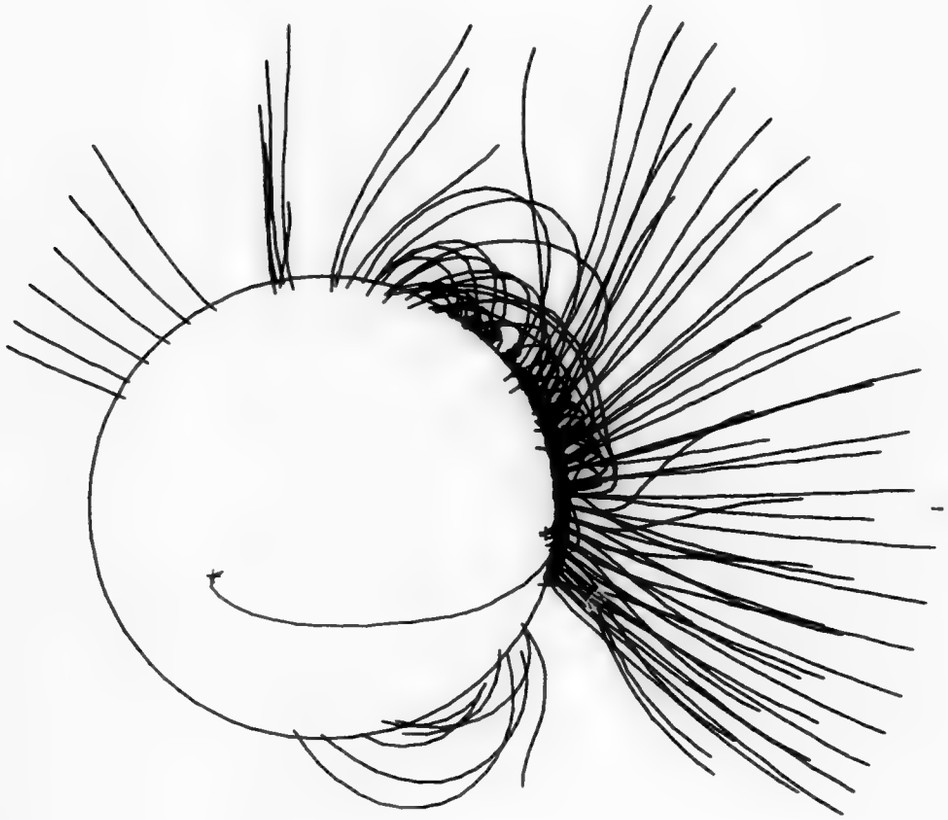
ROT. 1452 LONG. 240°

29.6 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

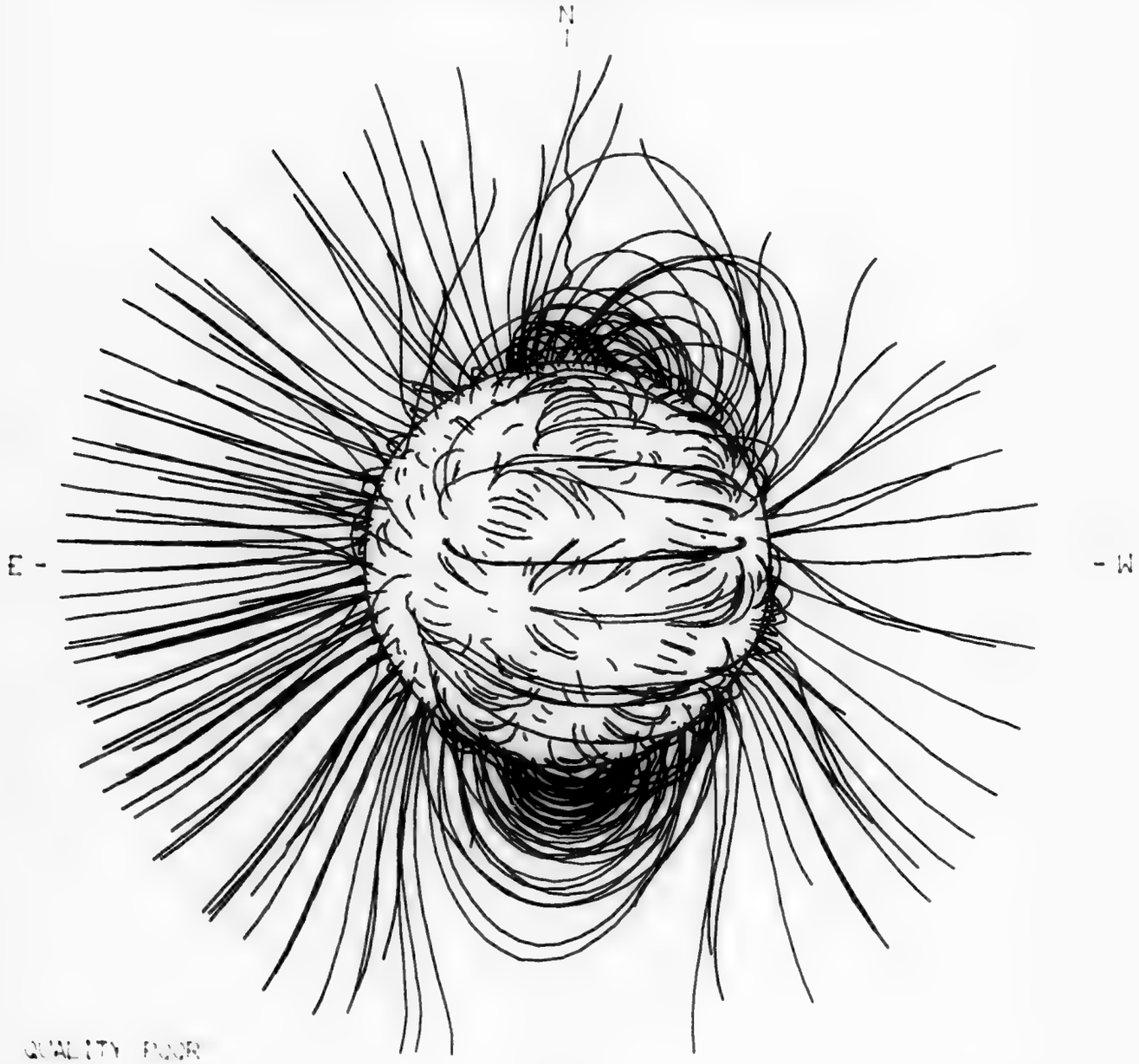
POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 240°

29.6 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.11

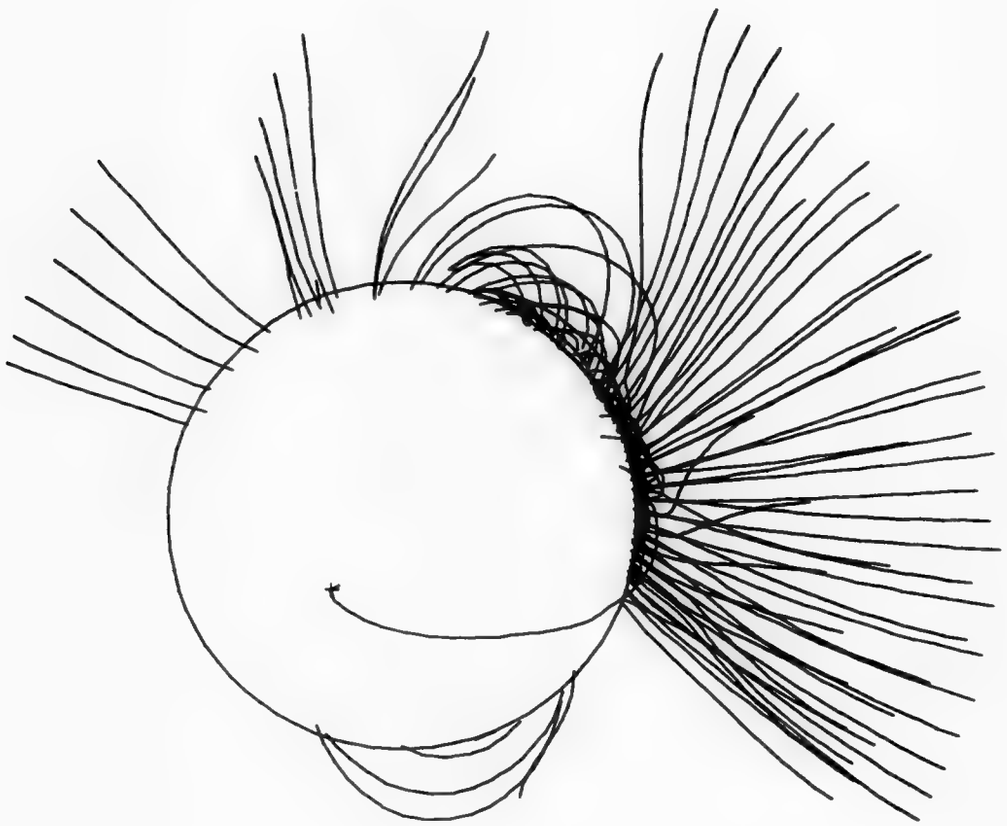
ROT. 1452 LONG. 230°

30.3 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



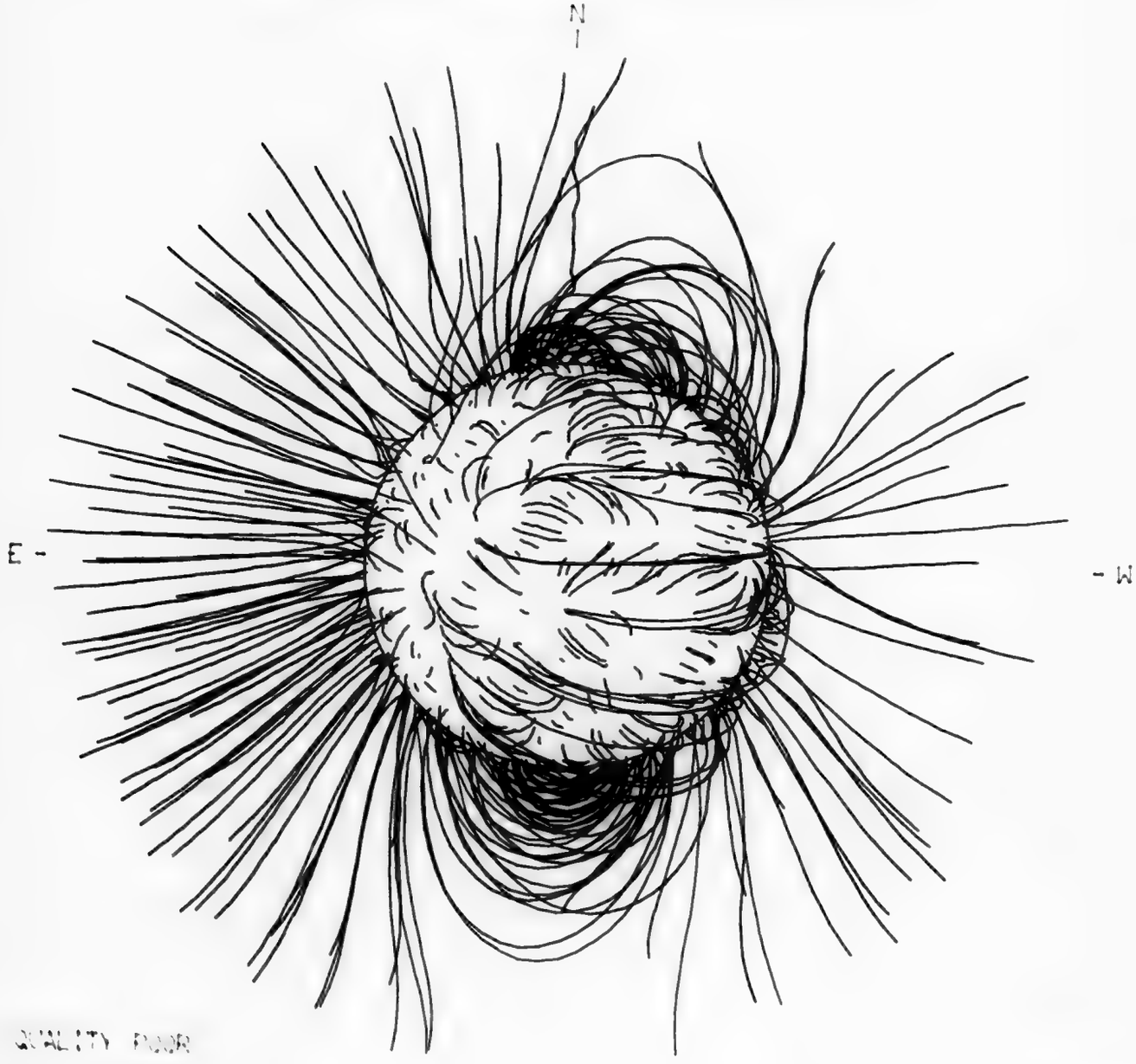
- W

S

QUALITY POOR
POLES DIRECT
DATA WINDOW 1452.11

ROT. 1452 LONG. 230°
30.3 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

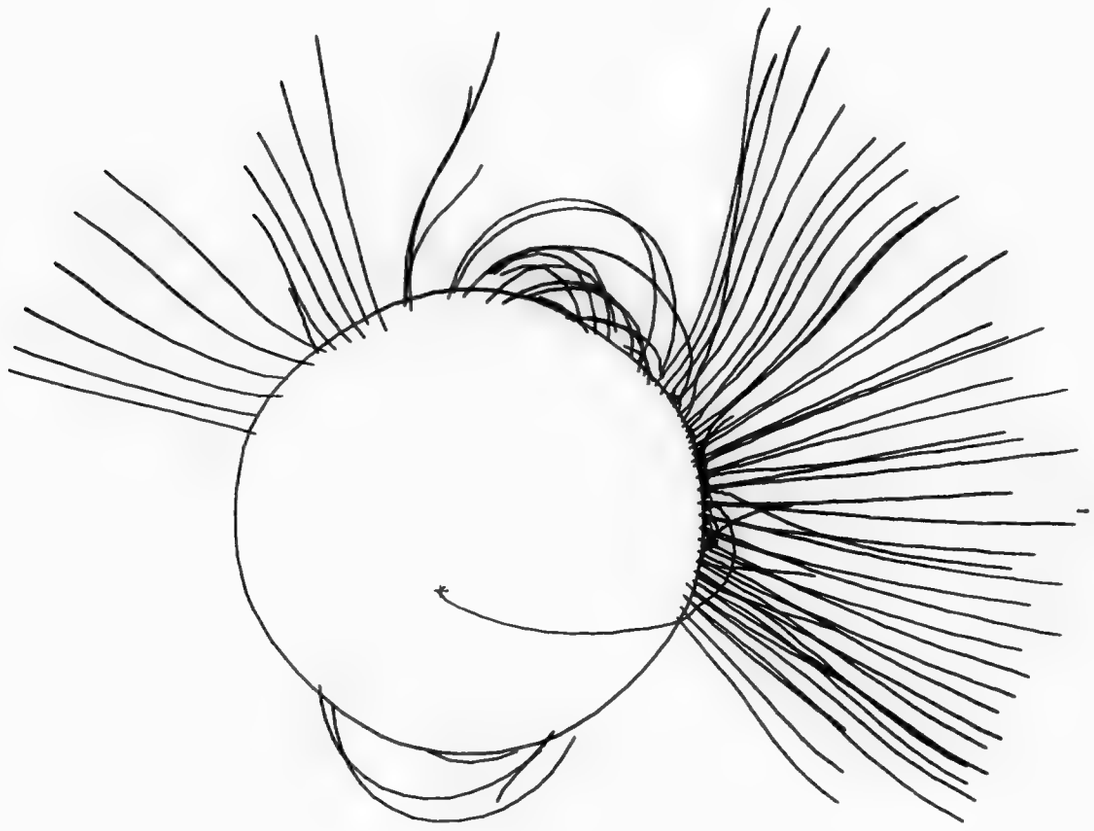
DATA WINDOW 1.85[illegible].1

ROT. 1452 LONG. 220°

31.1 MAR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

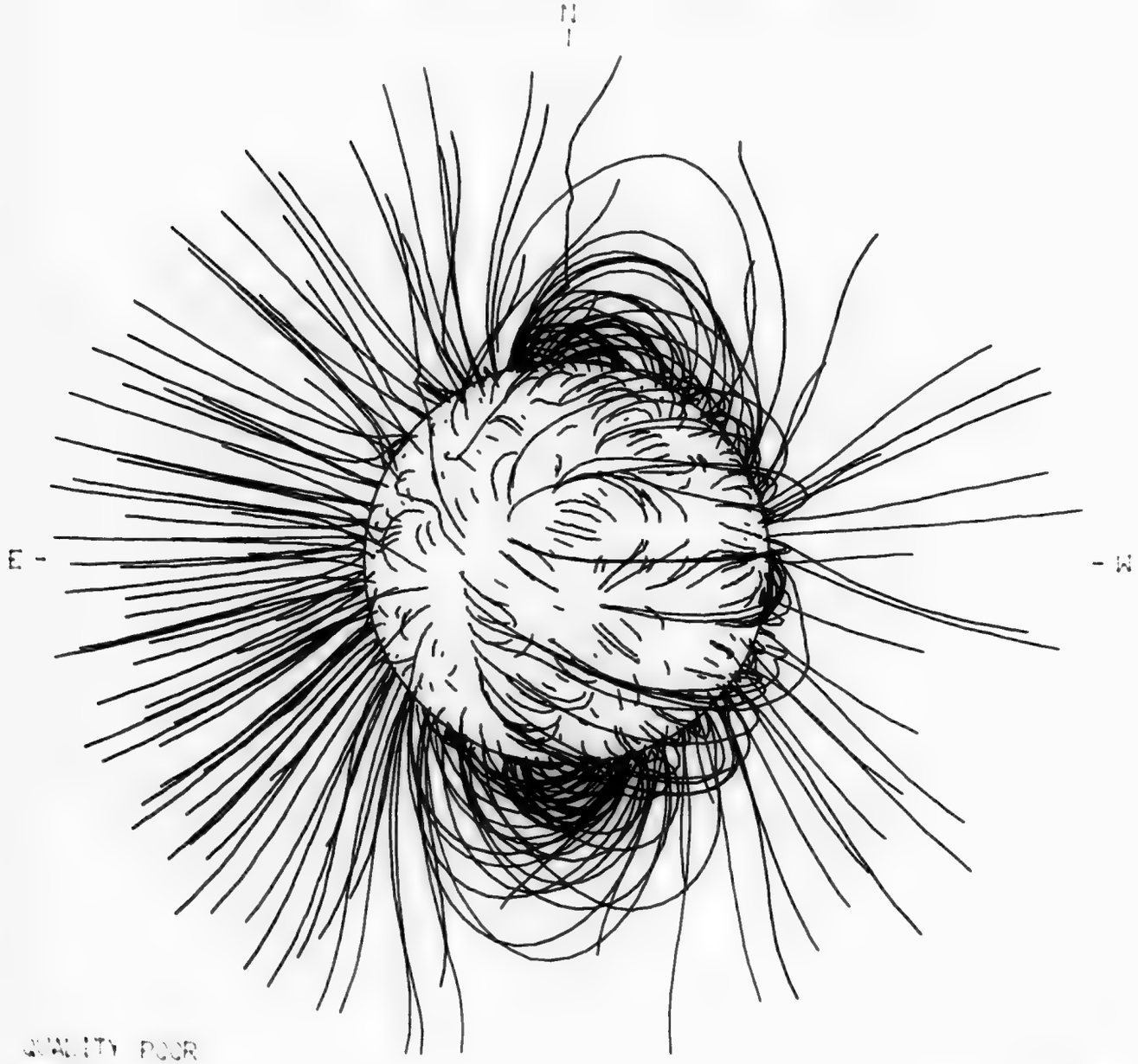
POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 220°

31.1 MAR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.11

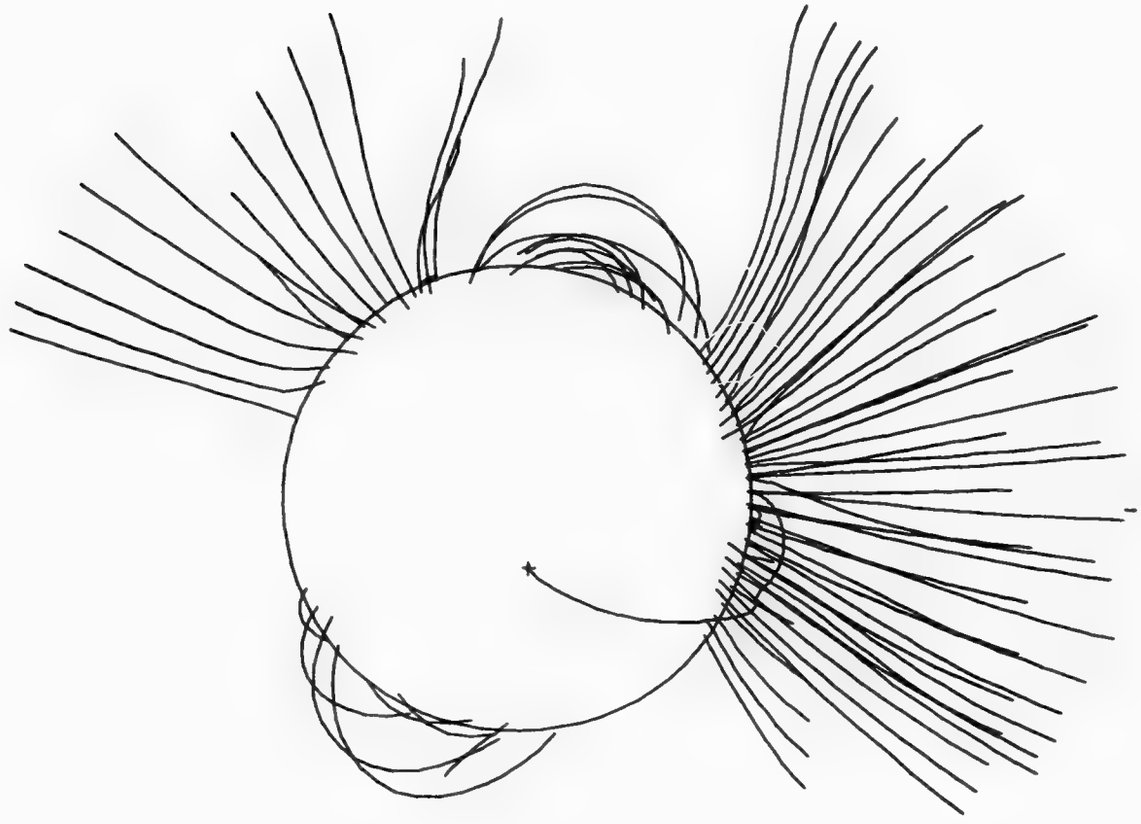
ROT. 1452 LONG. 210°

31.8 MAR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

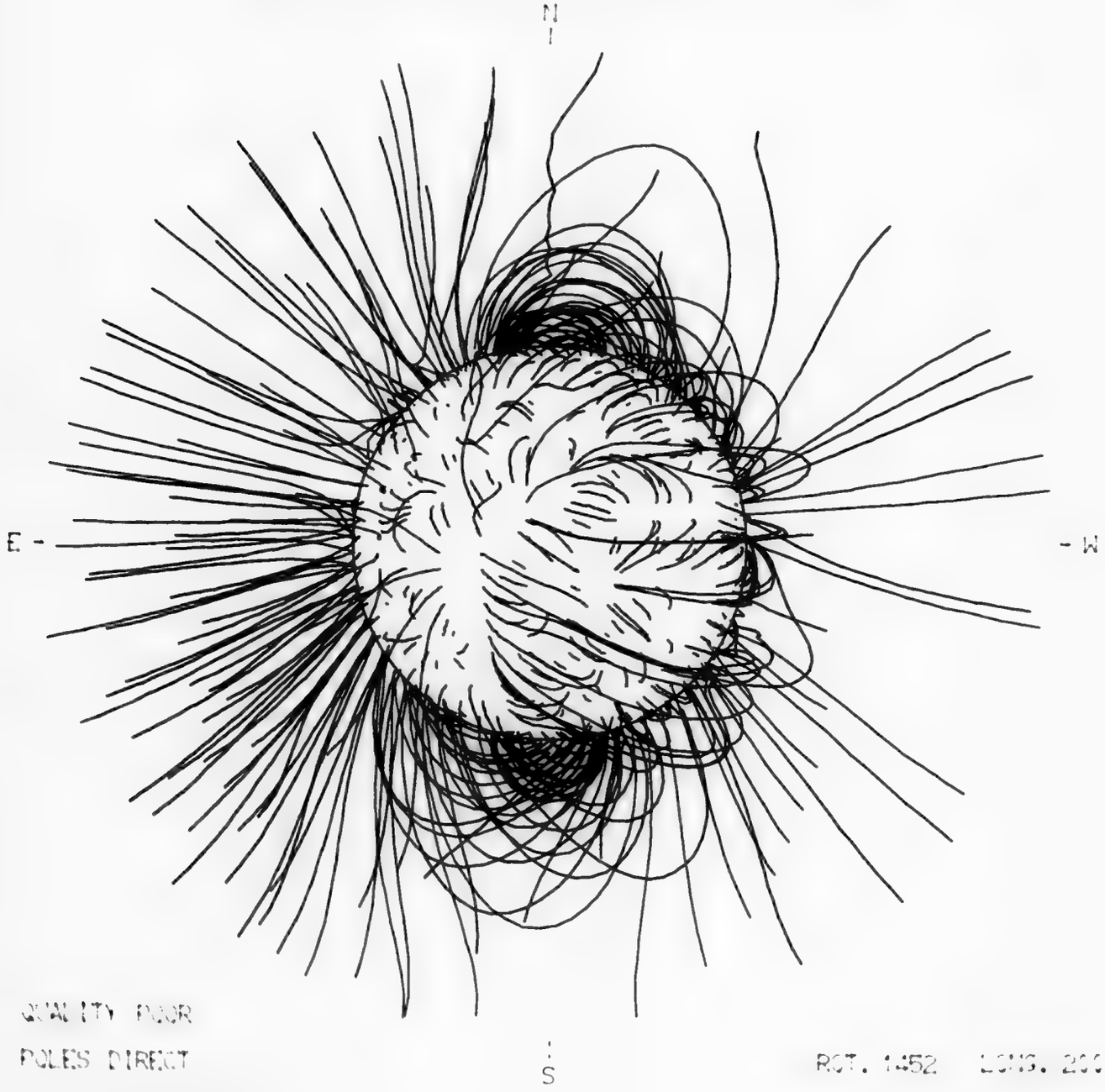
POLES DIRECT

DATA WINDOW 1.850.11

ROT. 1452 LONG. 210°

31.8 MAR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

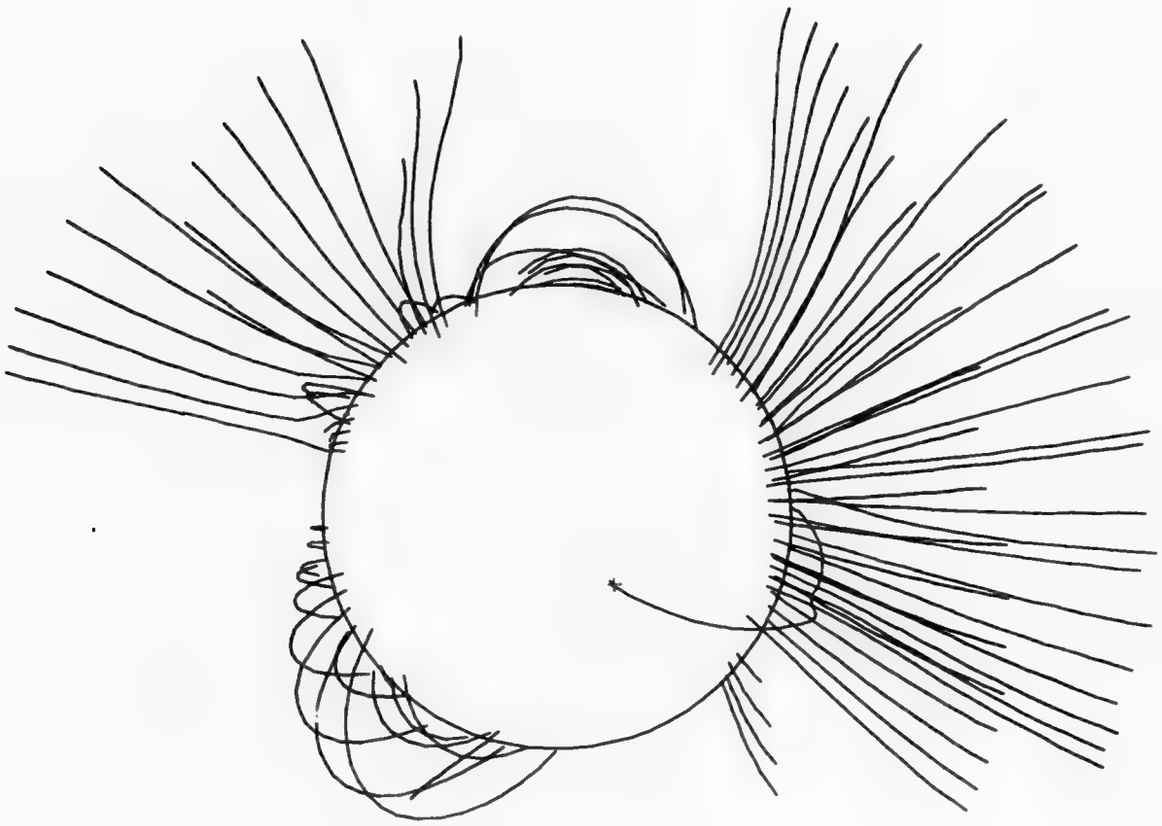
DATA WINDOW 1452.11

ROT. 1452 LONG. 200°

16 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

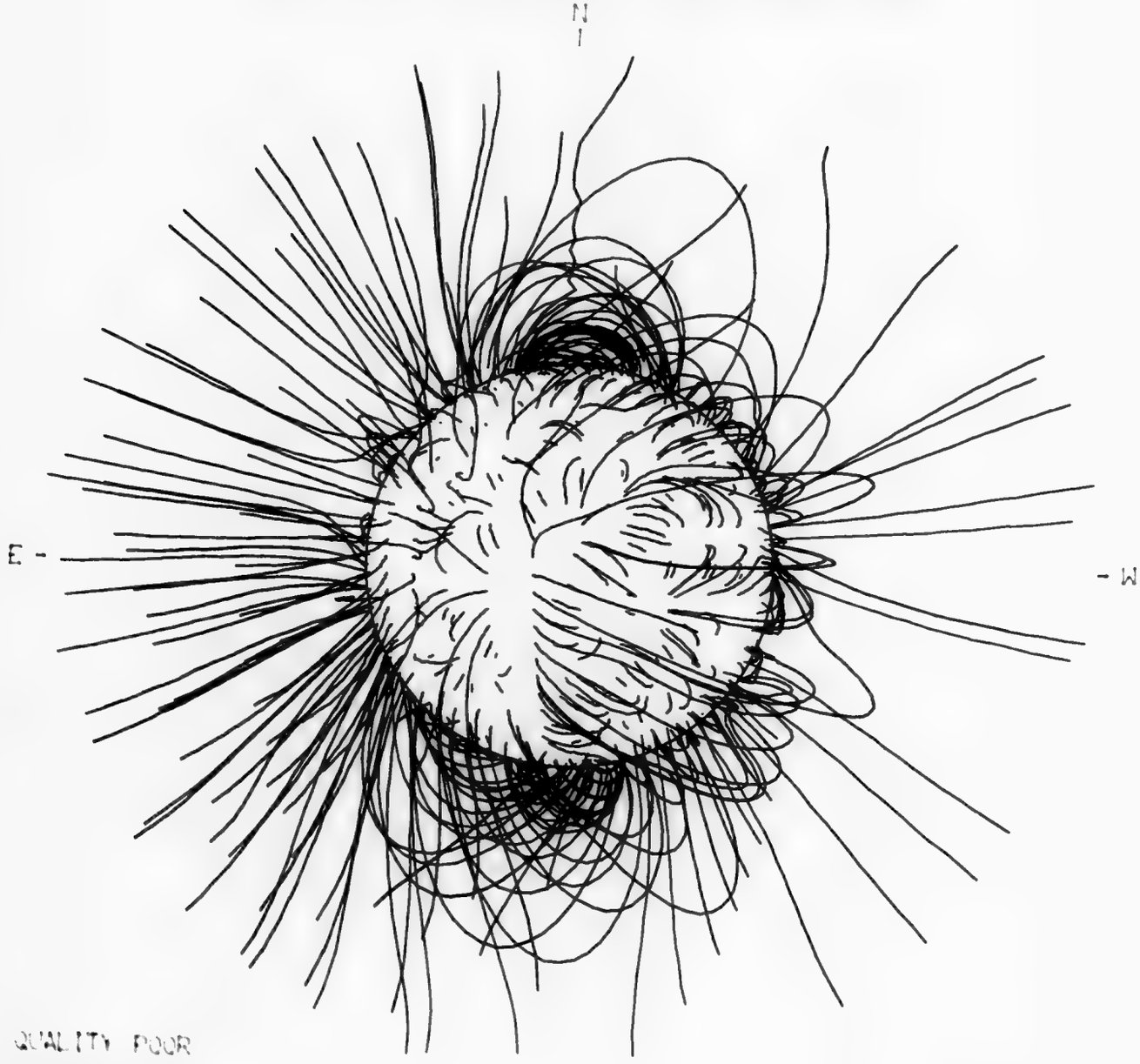
POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 200°

1.6 APR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 190°

24 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

QUALITY POOR

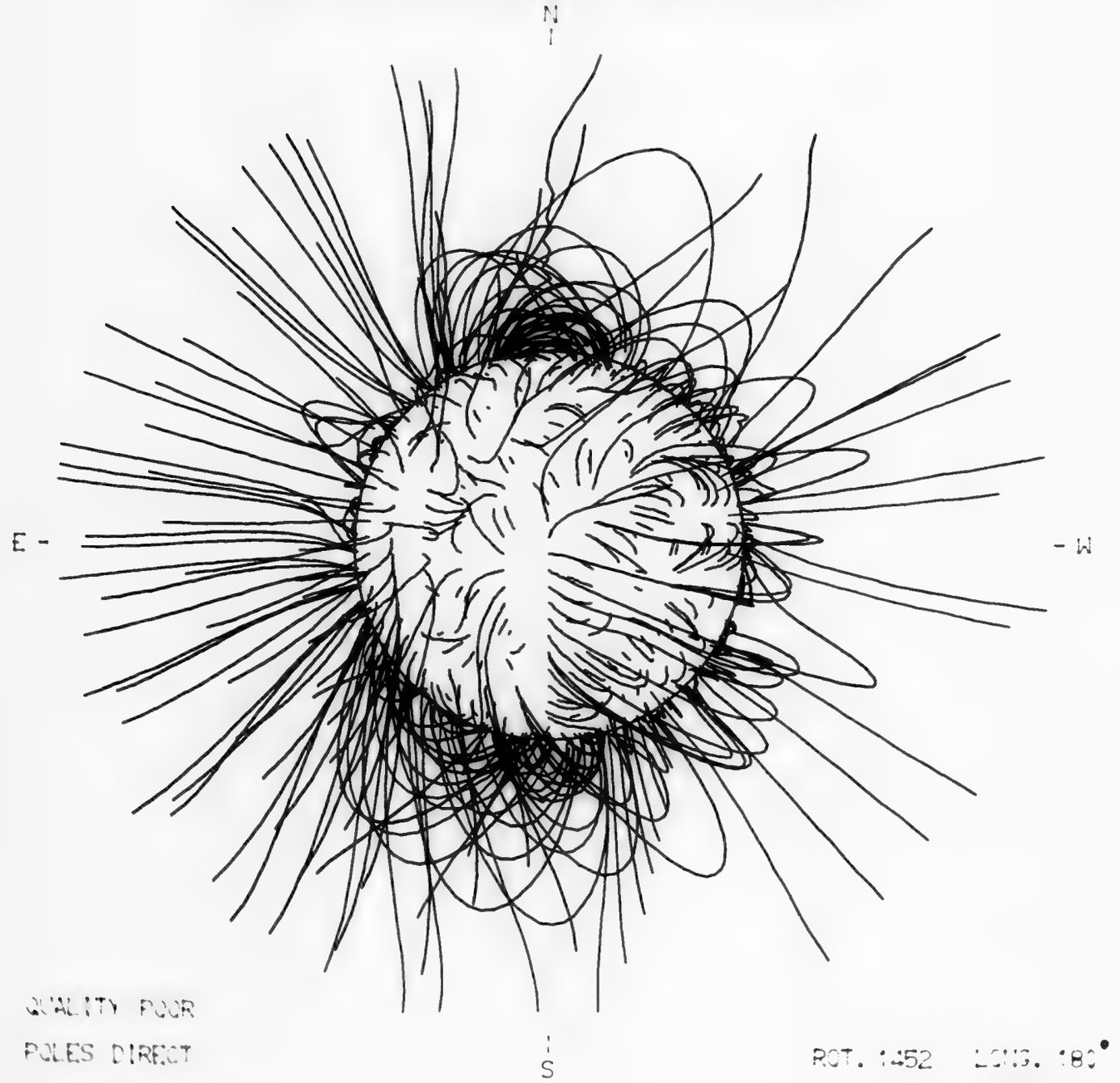
POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 190°

24 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.11

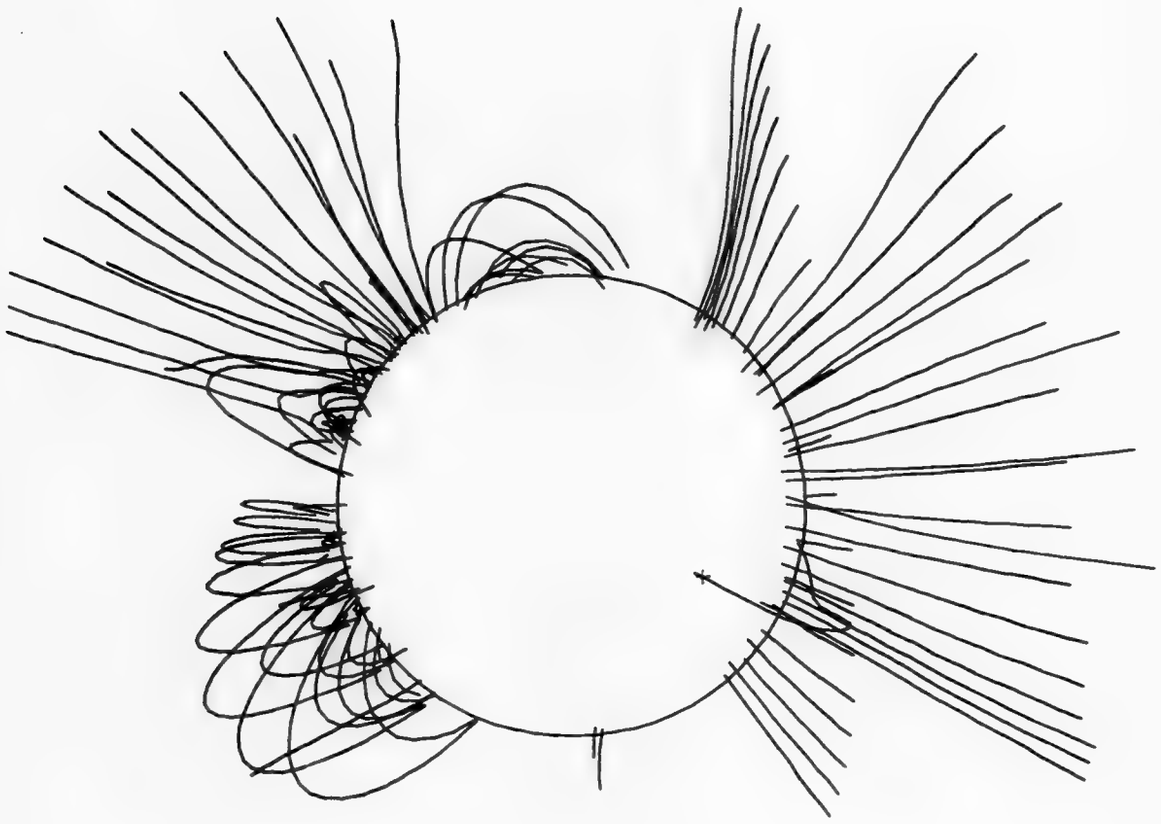
ROT. 1452 LONG. 180°

3.1 APR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

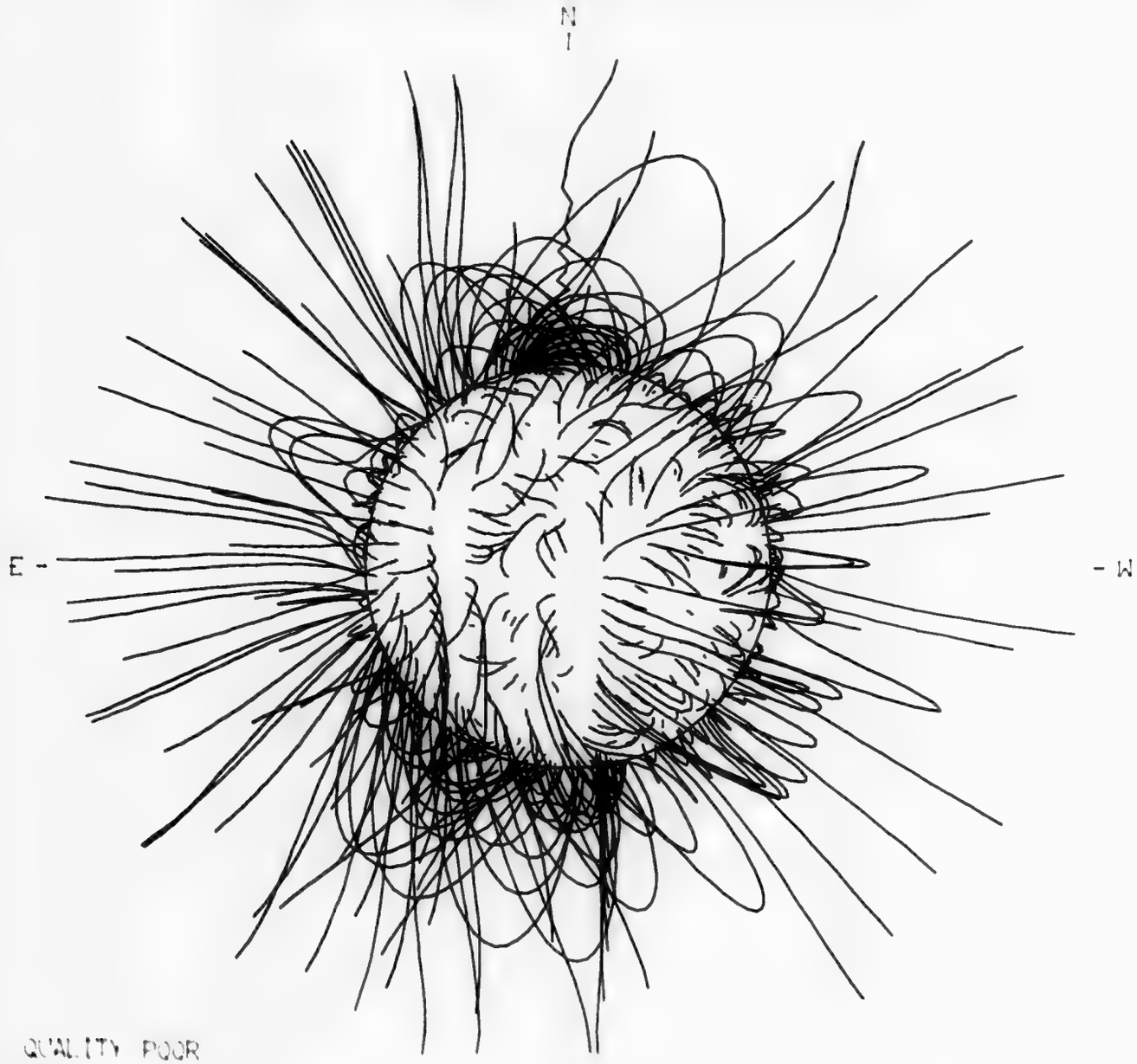
POLES DIRECT

DATA WINDOW 1.85..11

ROT. 1452 LONG. 180°

3.1 APR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.11

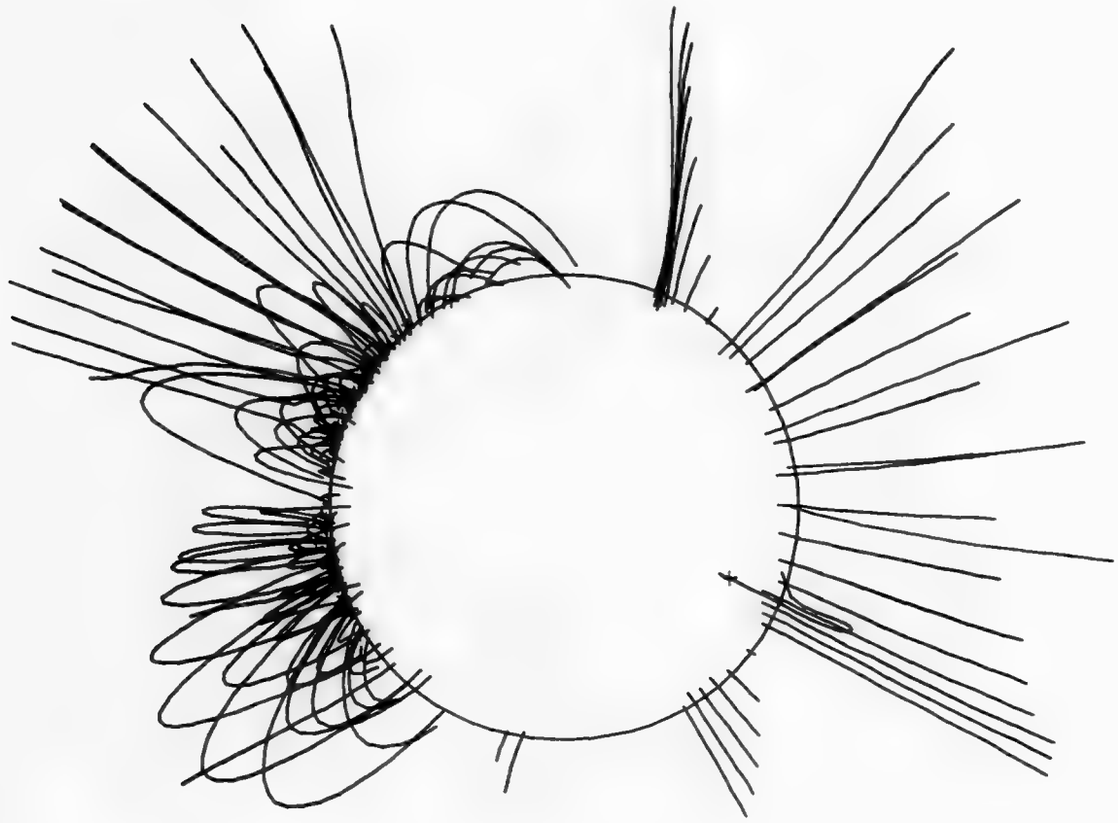
ROT. 1452 LONG. 170°

3.9 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1:35:.11

ROT. 1452 LONG. 17[illegible]°

3.9 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.11

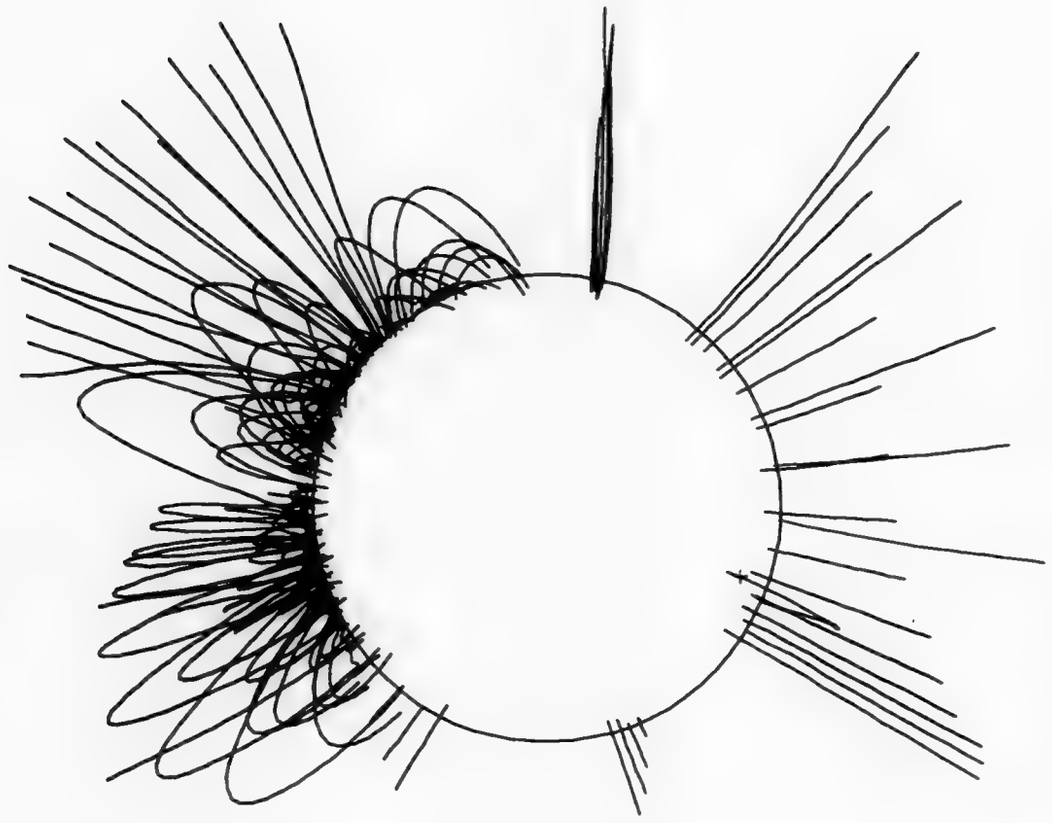
ROT. 1452 LONG. 150°

4.6 APR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

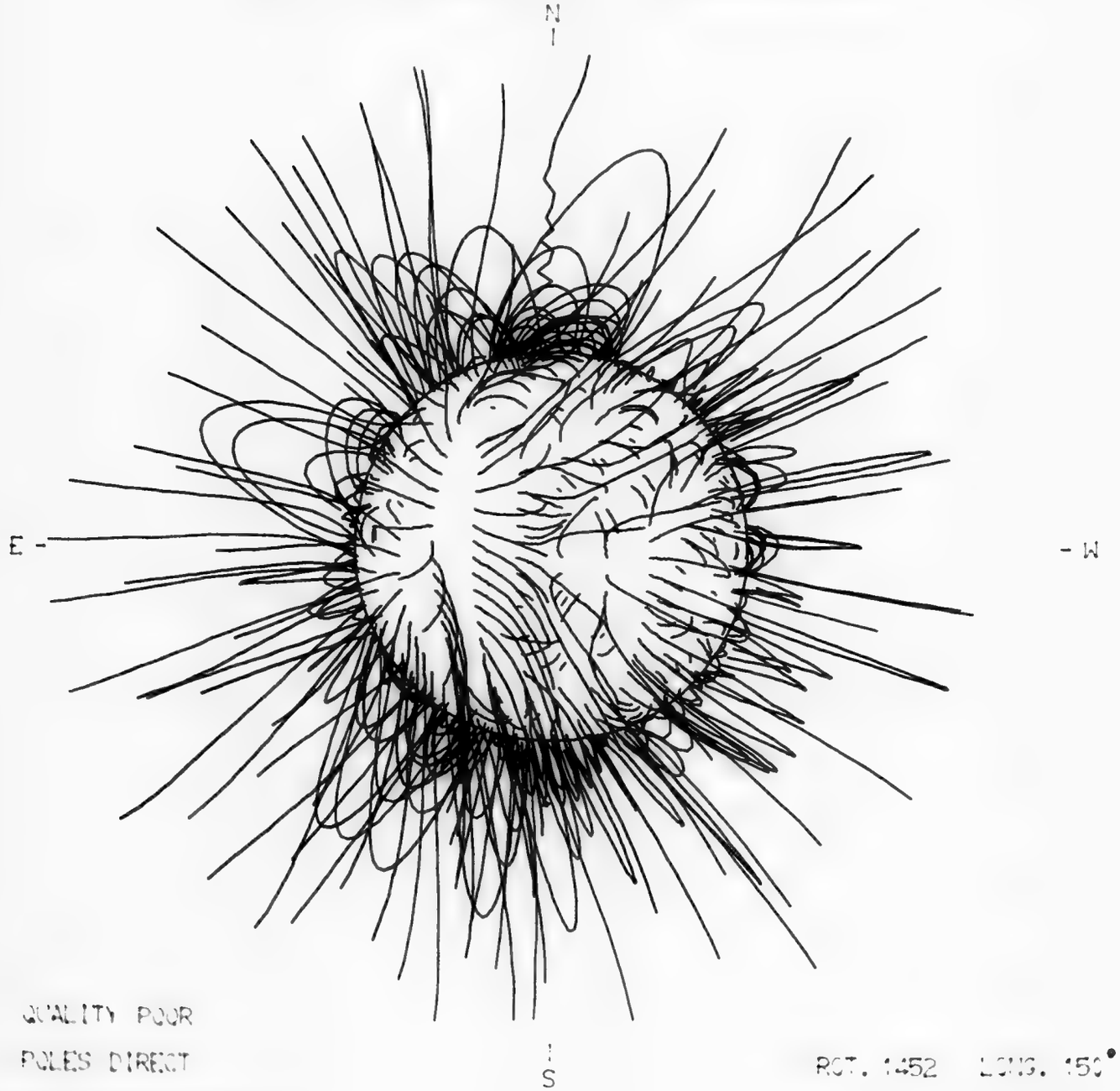
POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 160°

4.6 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 150°

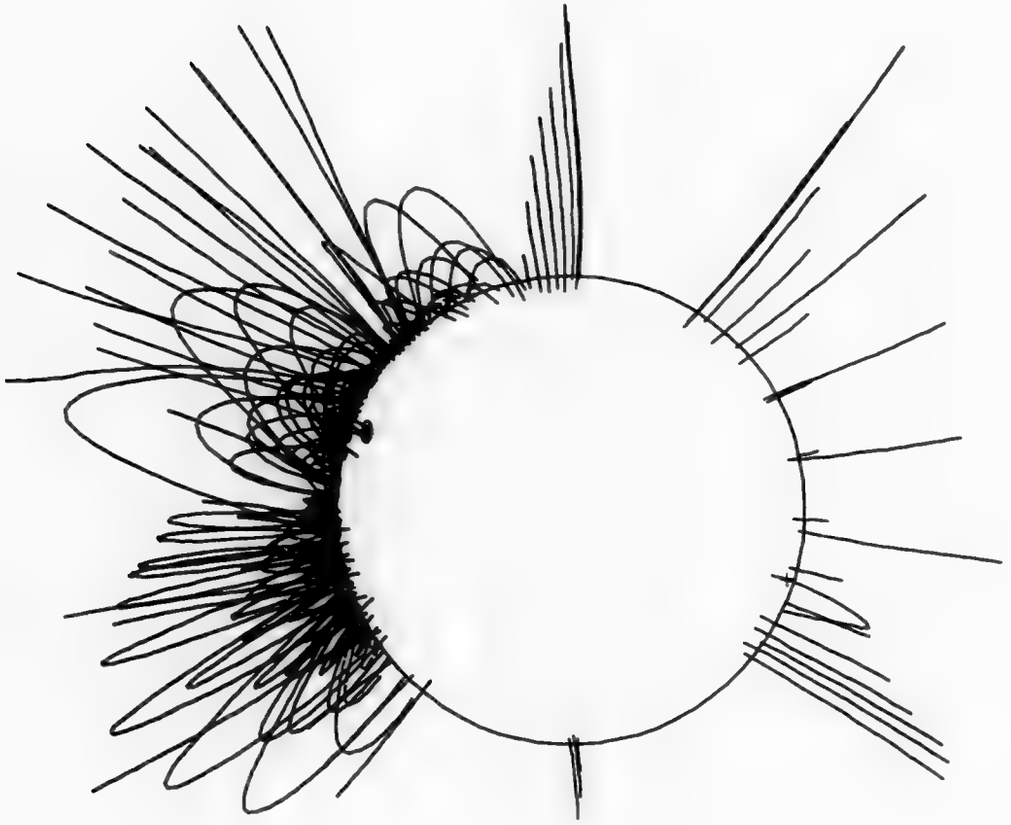
5.4 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

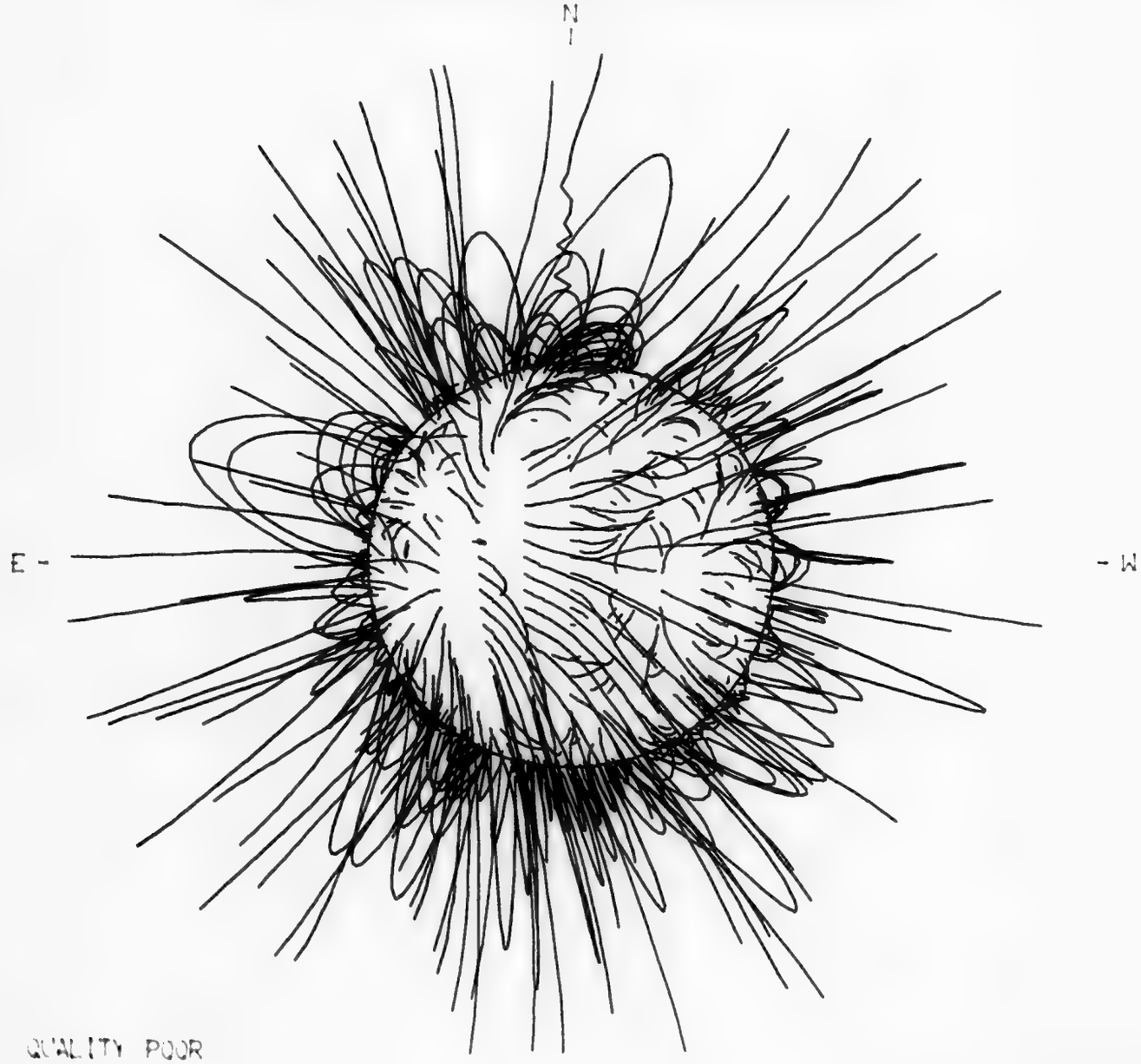
POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 150°

5.4 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 140°

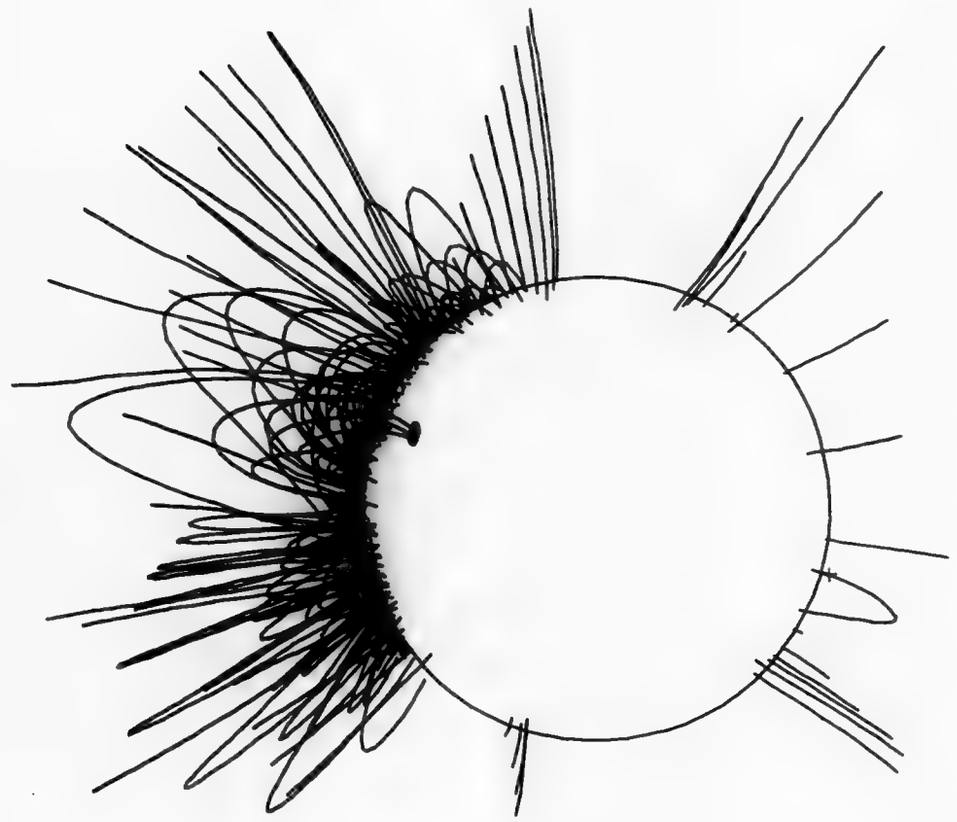
6.1 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

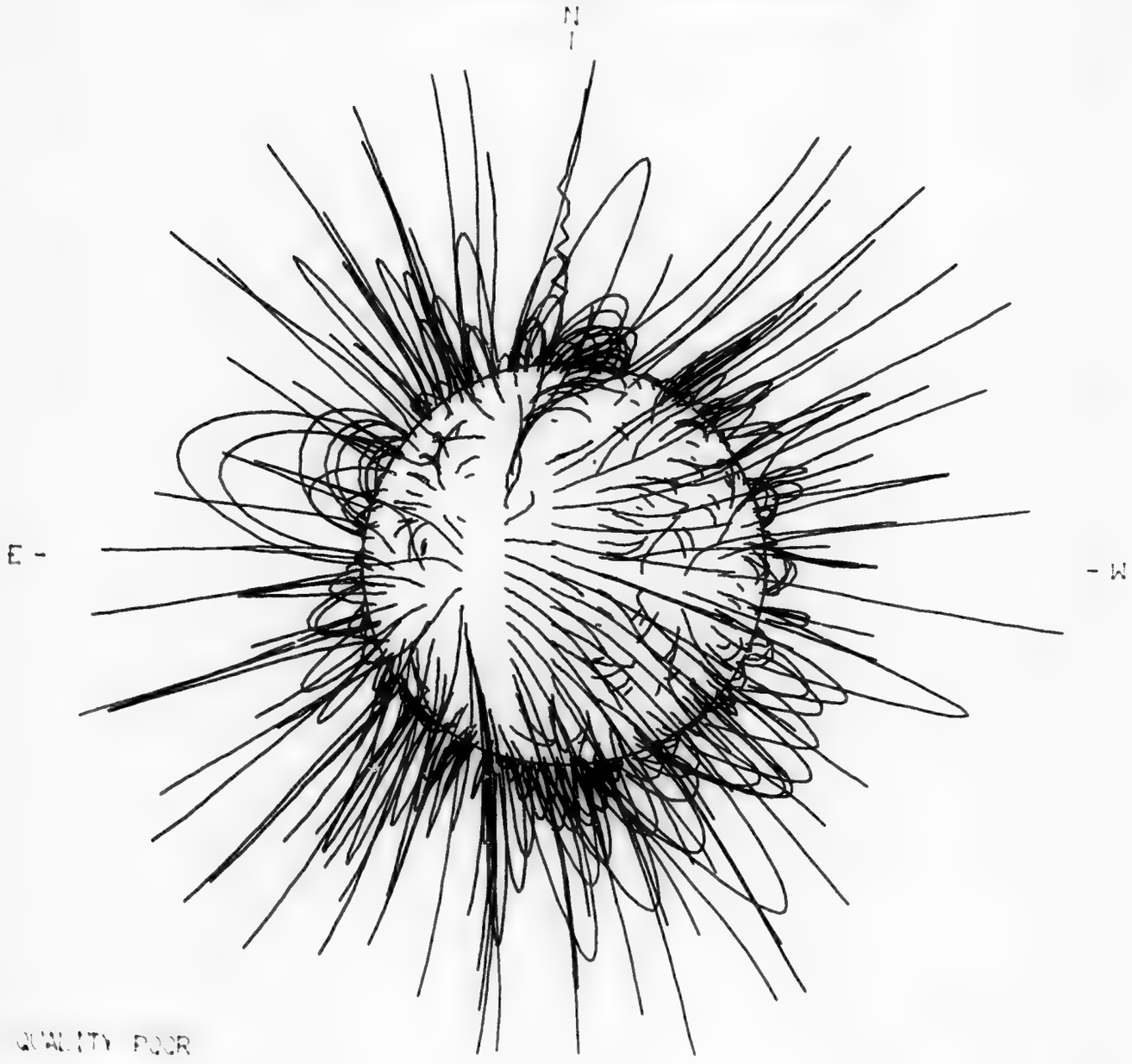
POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 149°

6.1 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

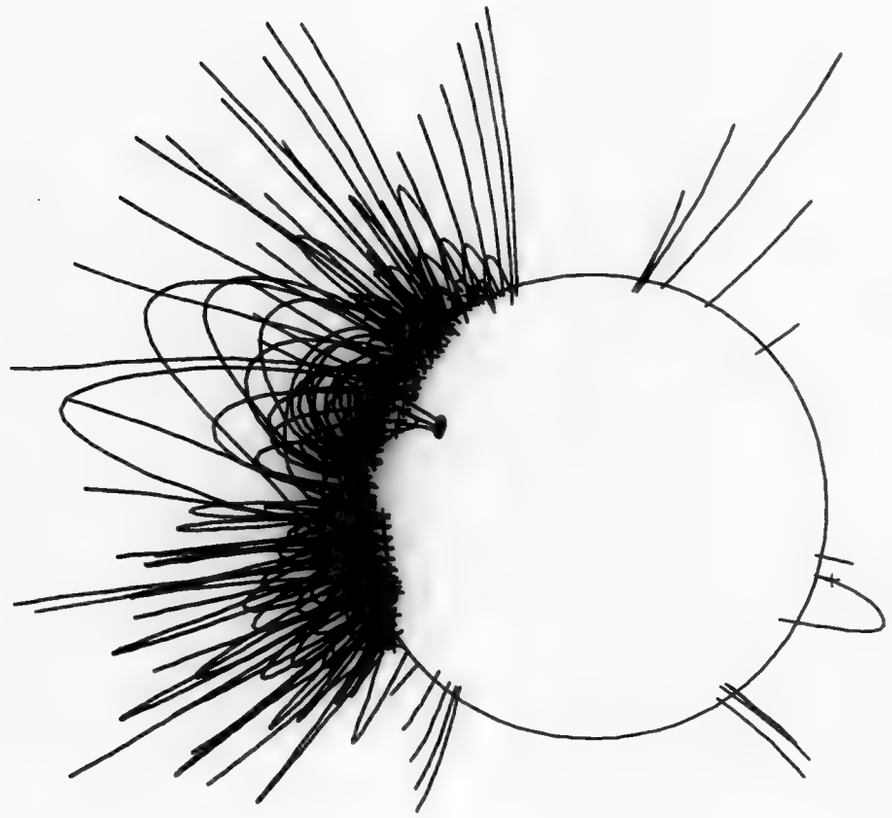
DATA WINDOW 1452.11

ROT. 1452 LONG. 130°

6.9 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

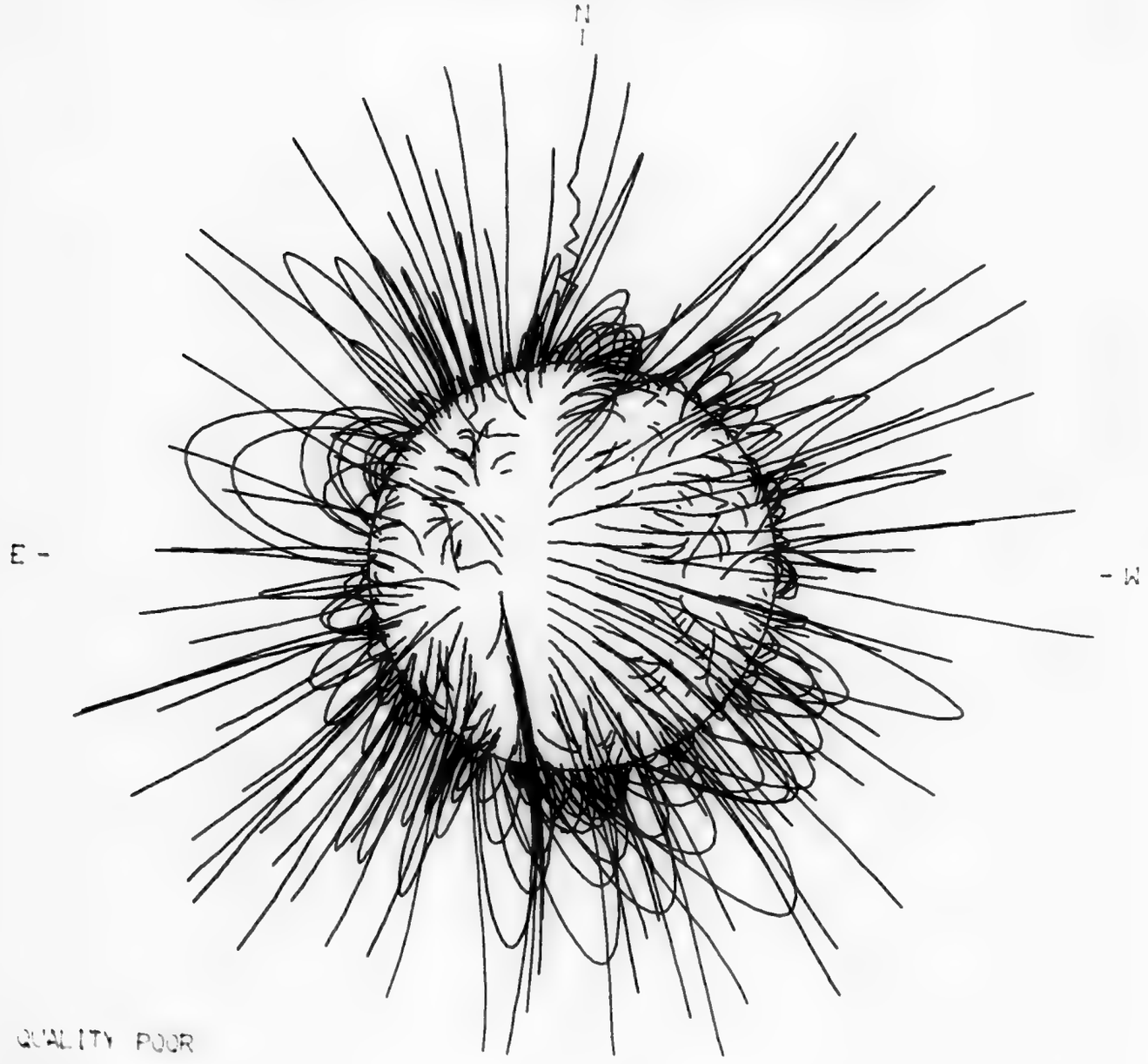
POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 130°

6.9 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

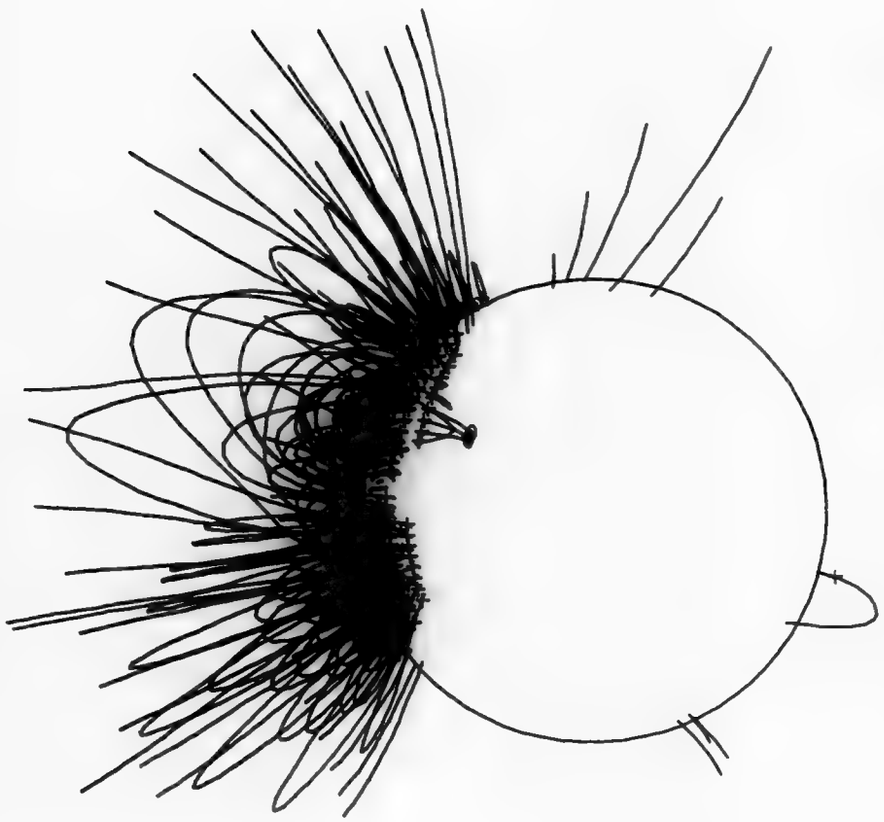
DATA WINDOW 1452.11

ROT. 1452 LONG. 120°

7.7 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

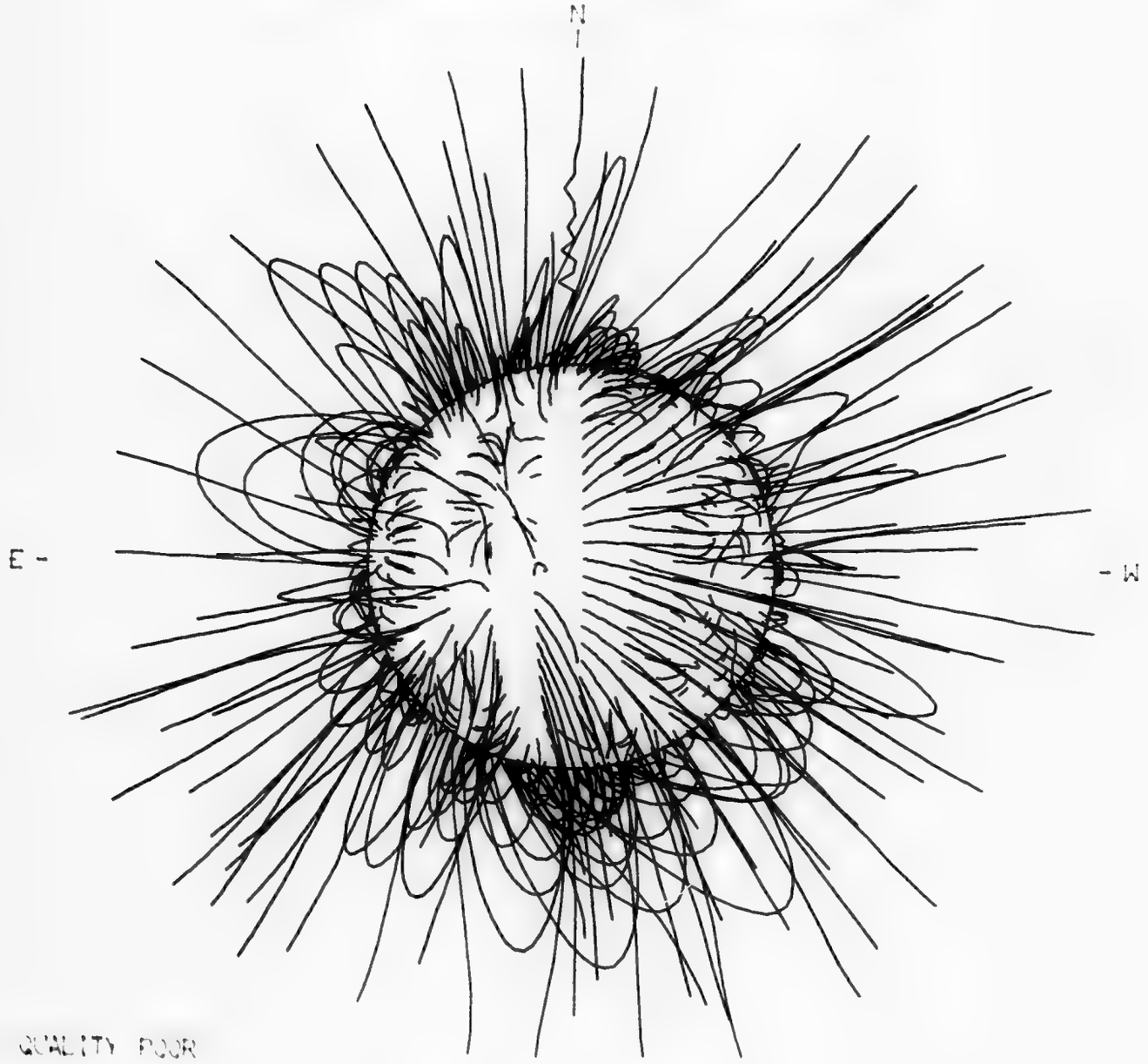
POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 120°

7.7 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

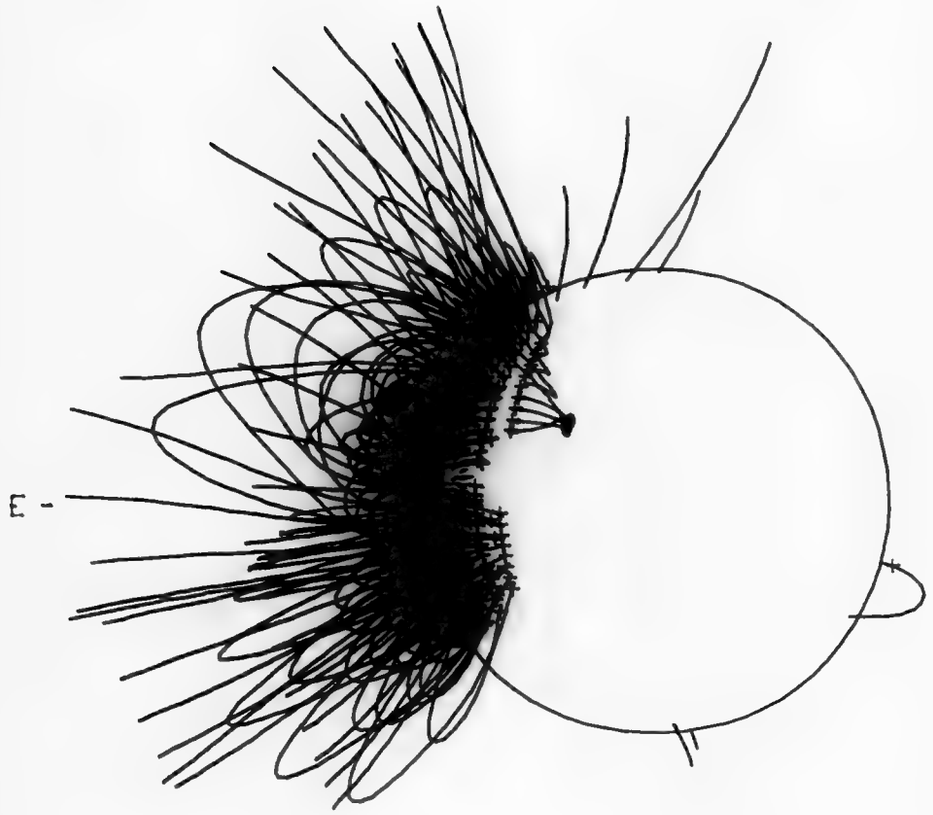
DATA WINDOW 1452.11

ROT. 1452 LONG. 11°

8.4 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

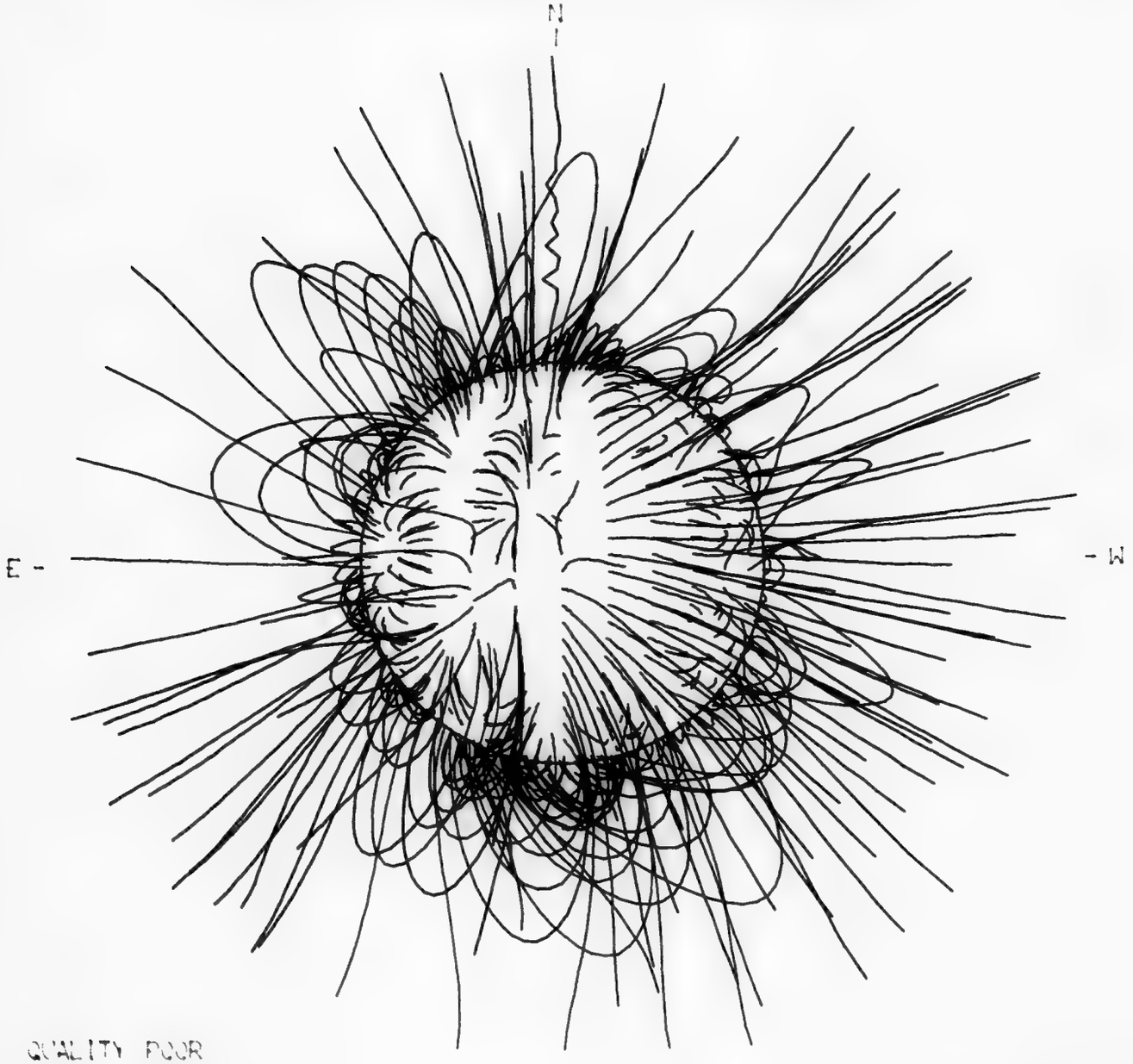
POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 110°

8.4 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

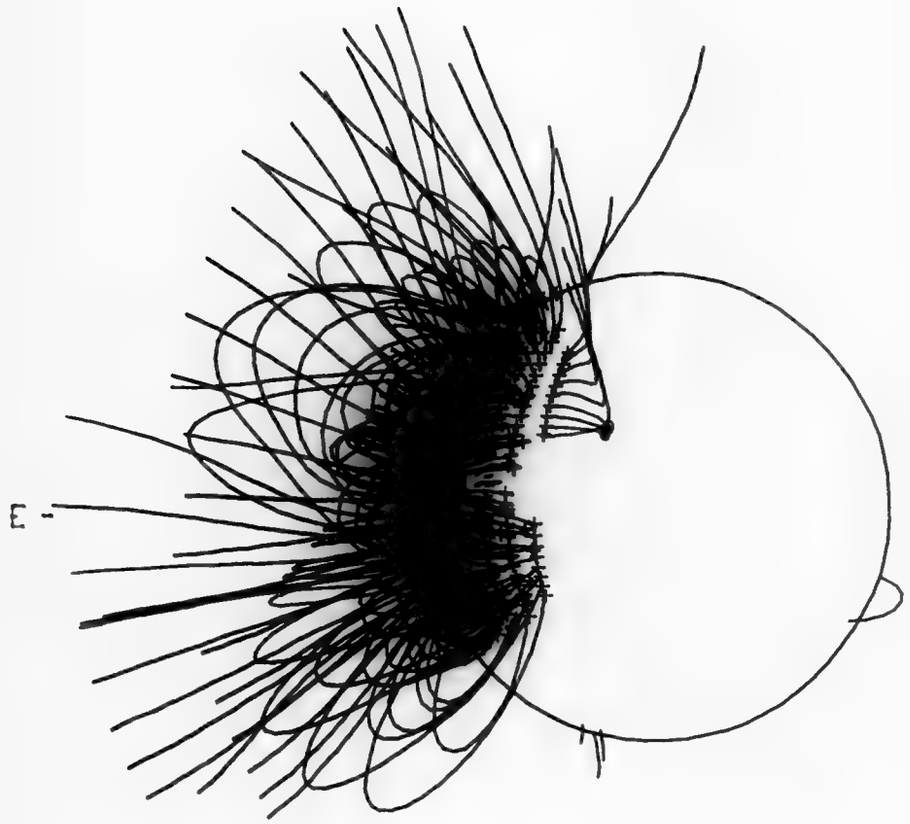
DATA WINDOW 1452.11

ROT. 1452 LONG. 100°

9.2 APR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E

W

S

QUALITY POOR

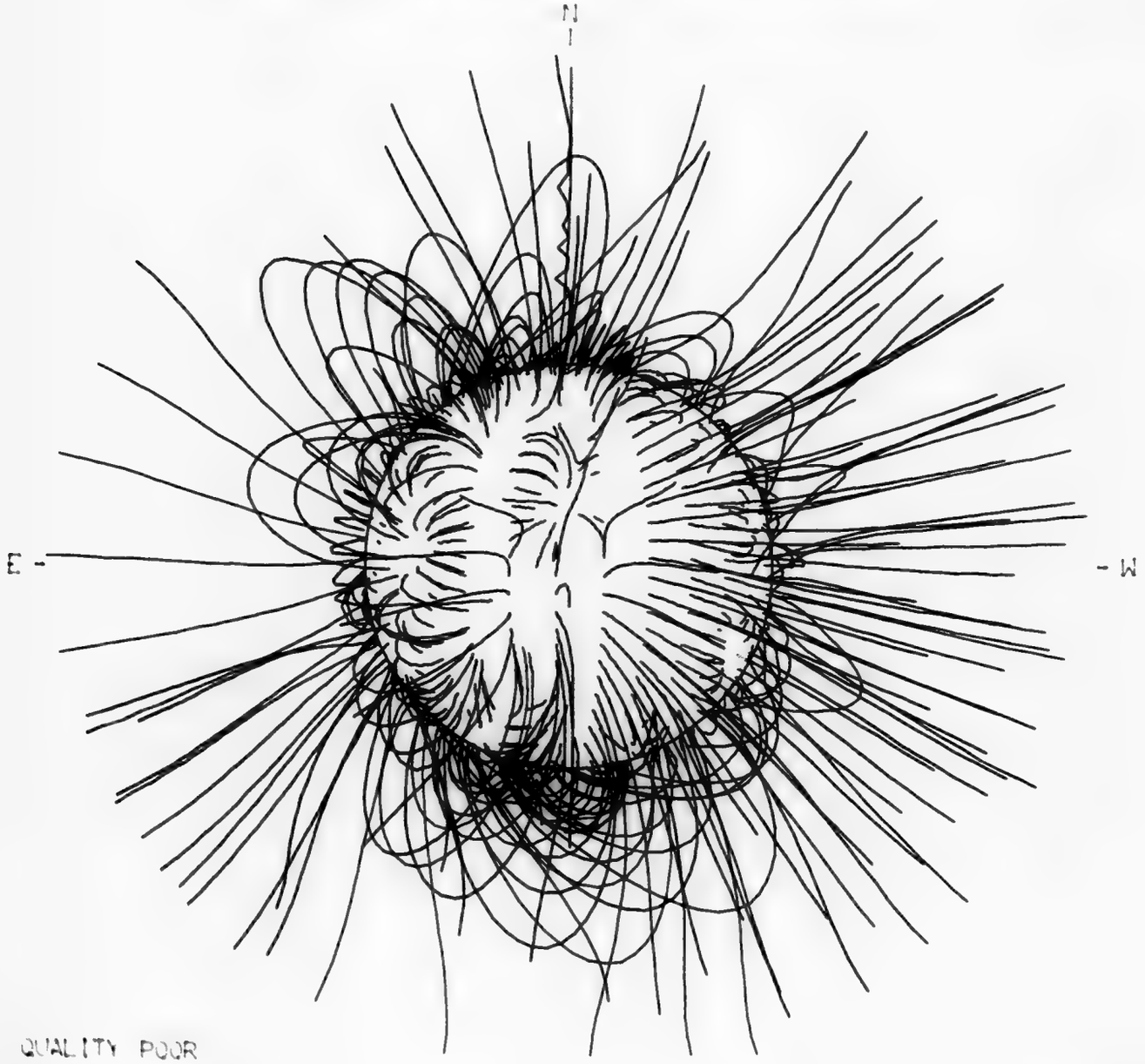
POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 100°

9.2 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

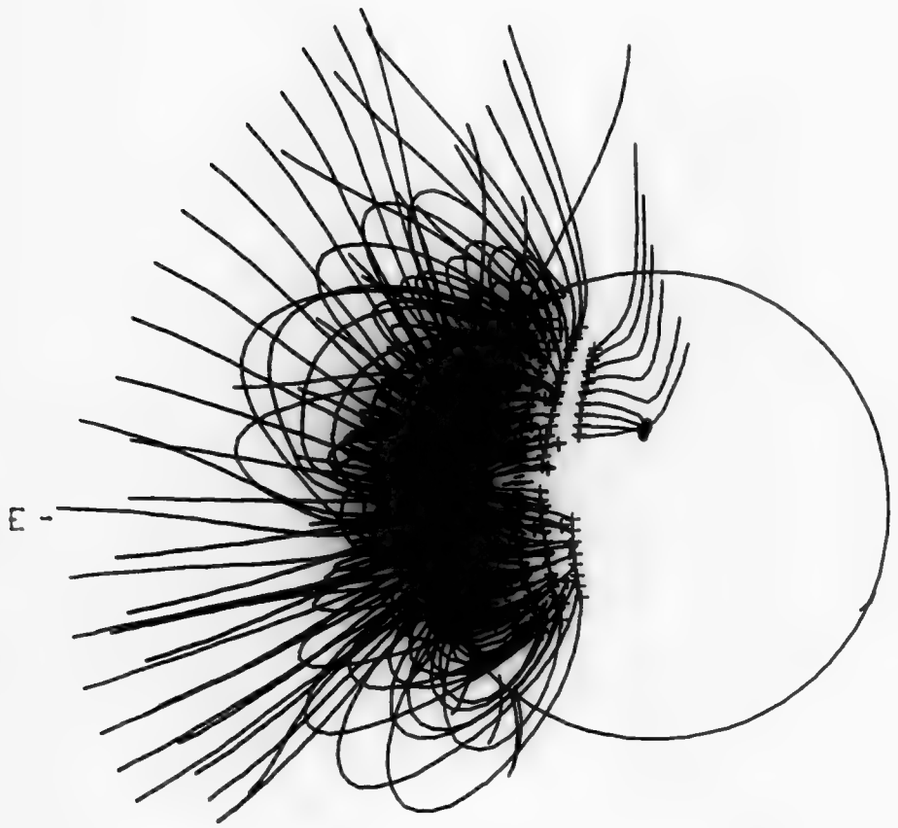
DATA WINDOW 1452.11

ROT. 1452 LONG. 90°

9.9 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E

W

S

QUALITY POOR

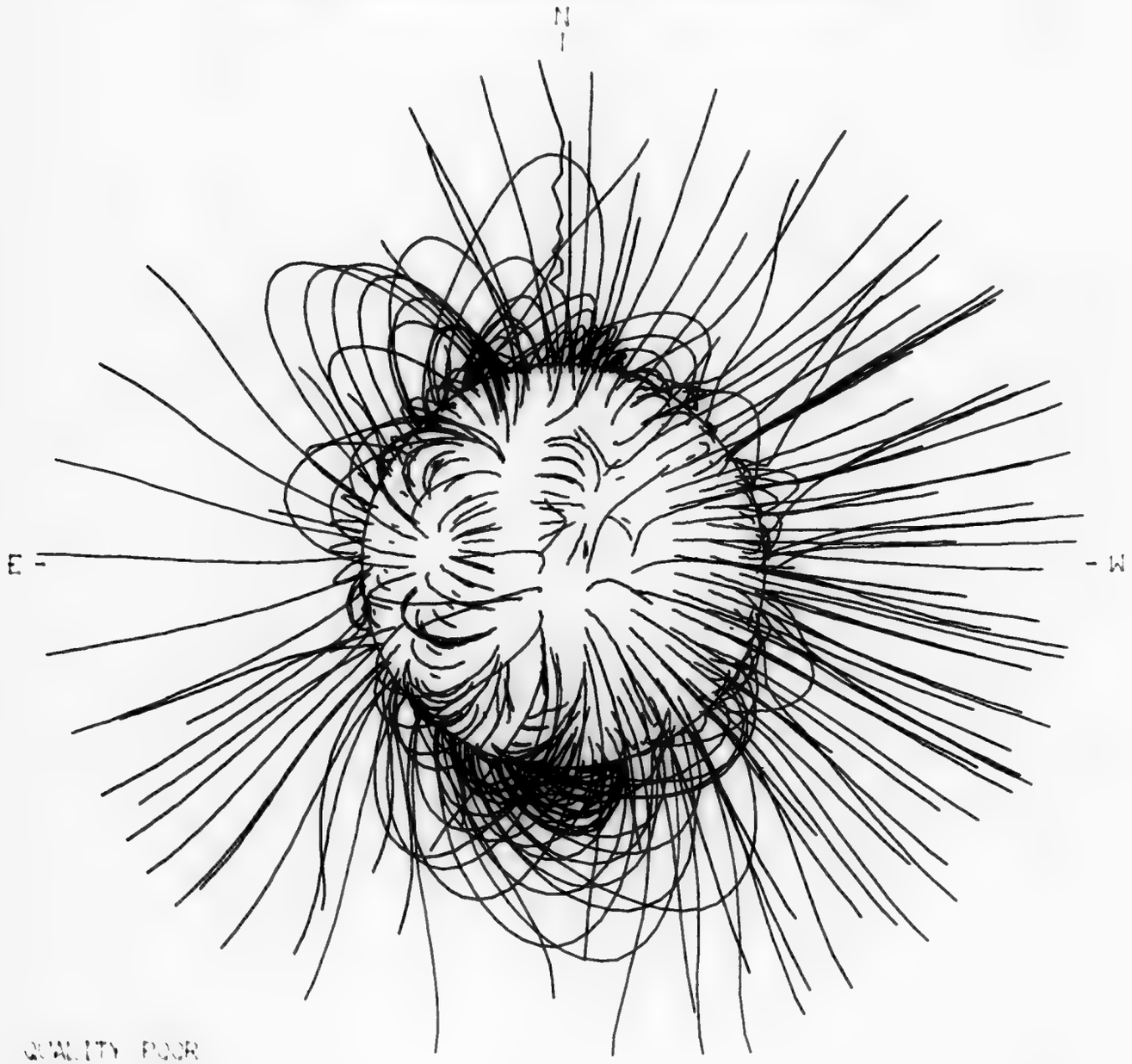
POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 90°

9.9 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

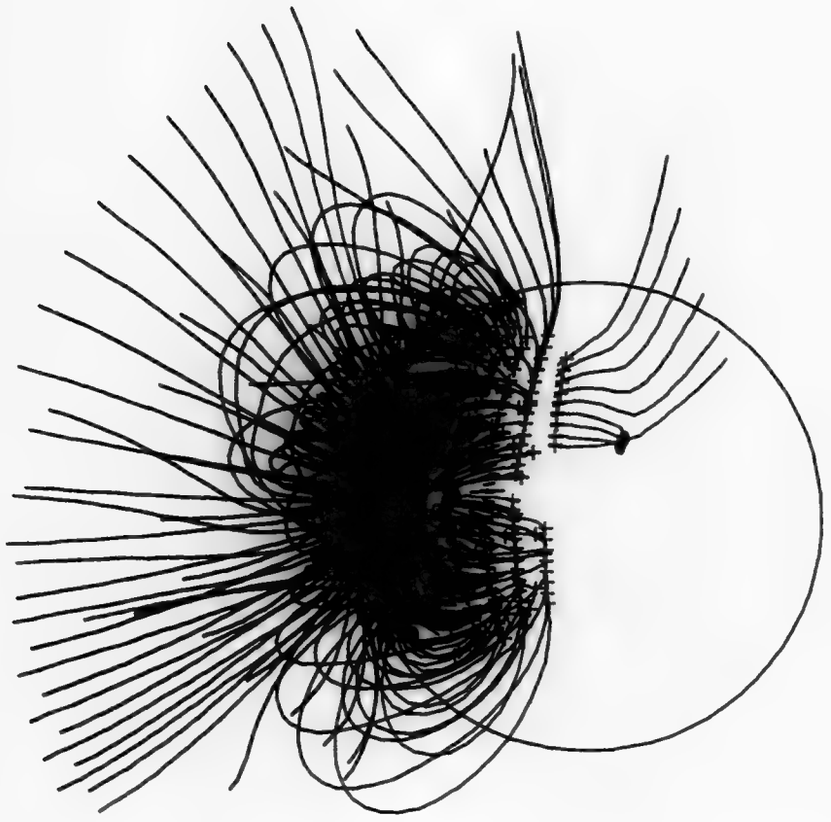
DATA WINDOW 1452.11

ROT. 1452 LONG. 80°

10.7 APR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

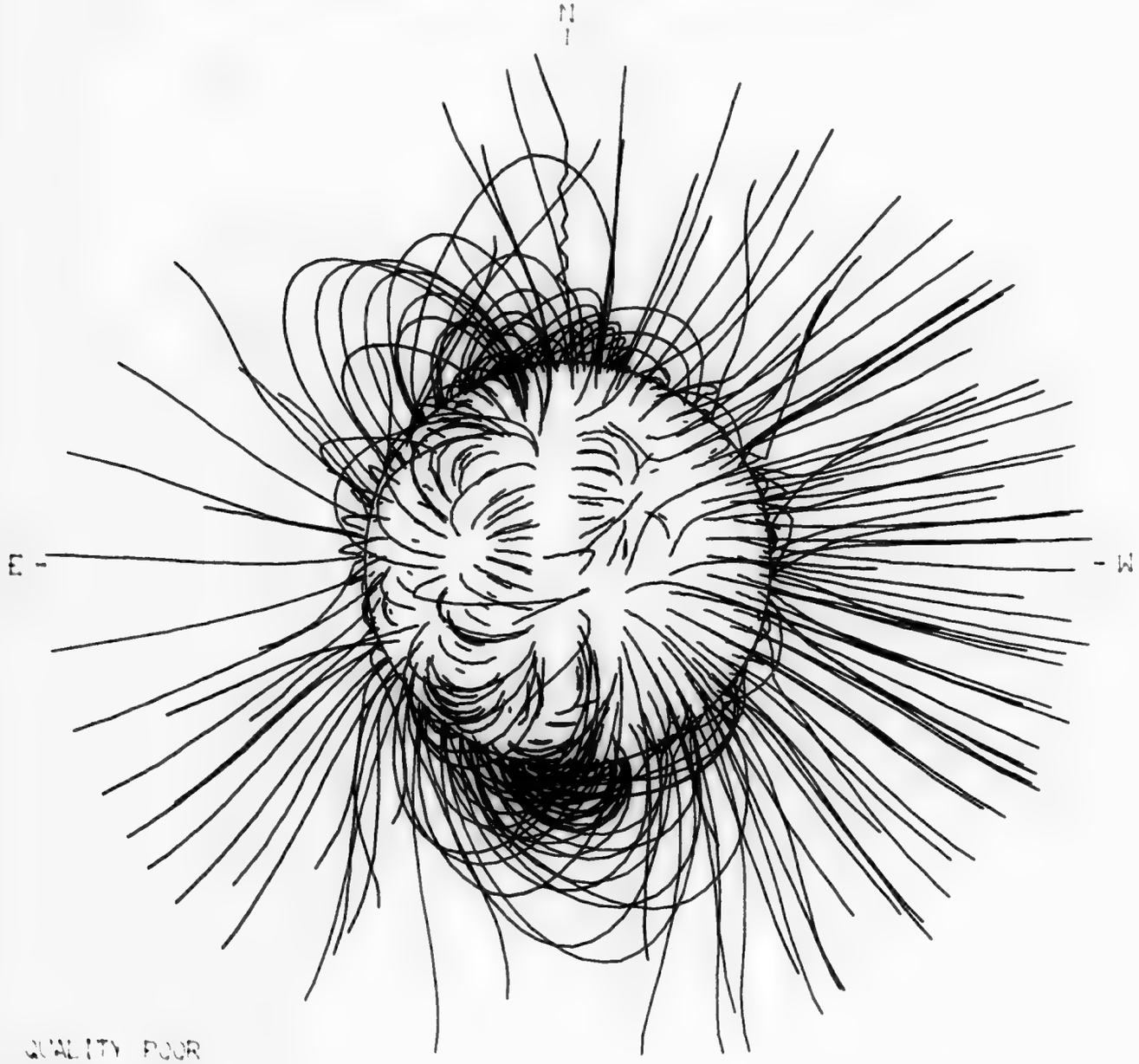
POLES DIRECT

DATA WINDOW 1.350.11

ROT. 1452 LONG. 80°

10.7 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

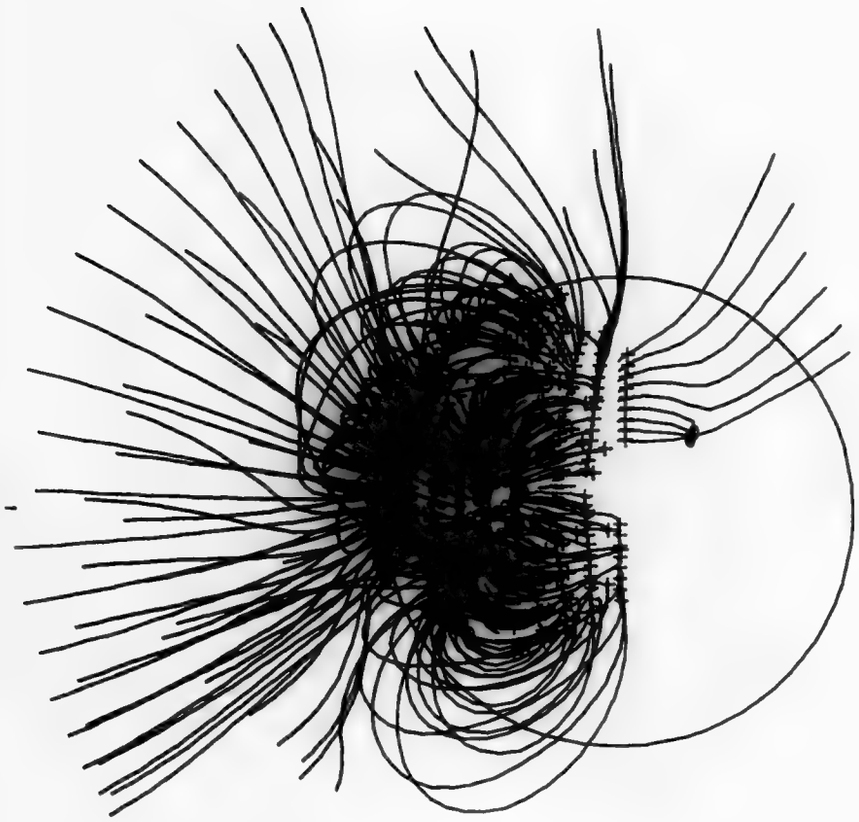
DATA WINDOW 1452.11

ROT. 1452 LONG. 70°

11.4 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 70°

11.4 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

QUALITY POOR

POLES DIRECT

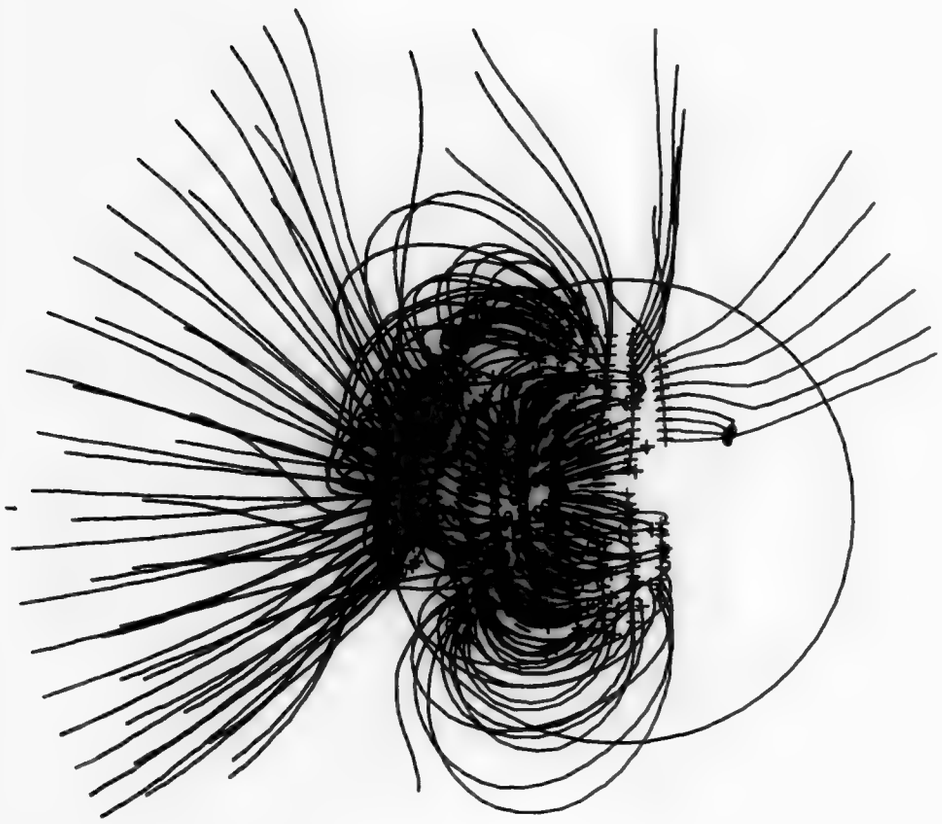
DATA WINDOW 1452.11

ROT. 1452 LONG. 50°

12.2 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

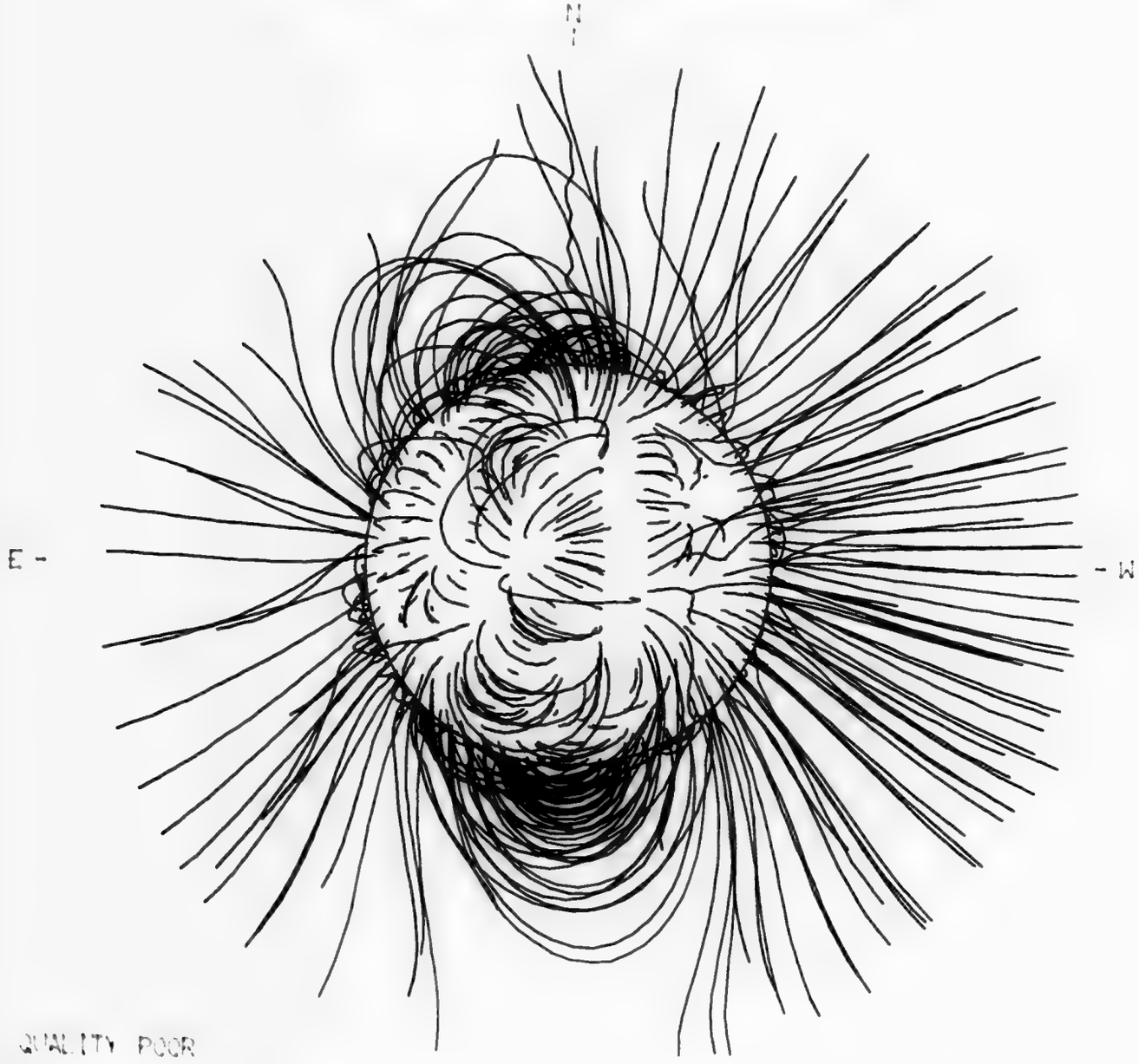
POLES DIRECT

DATA WINDOW 1452.11

ROT. 1452 LONG. 50°

12.2 APR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

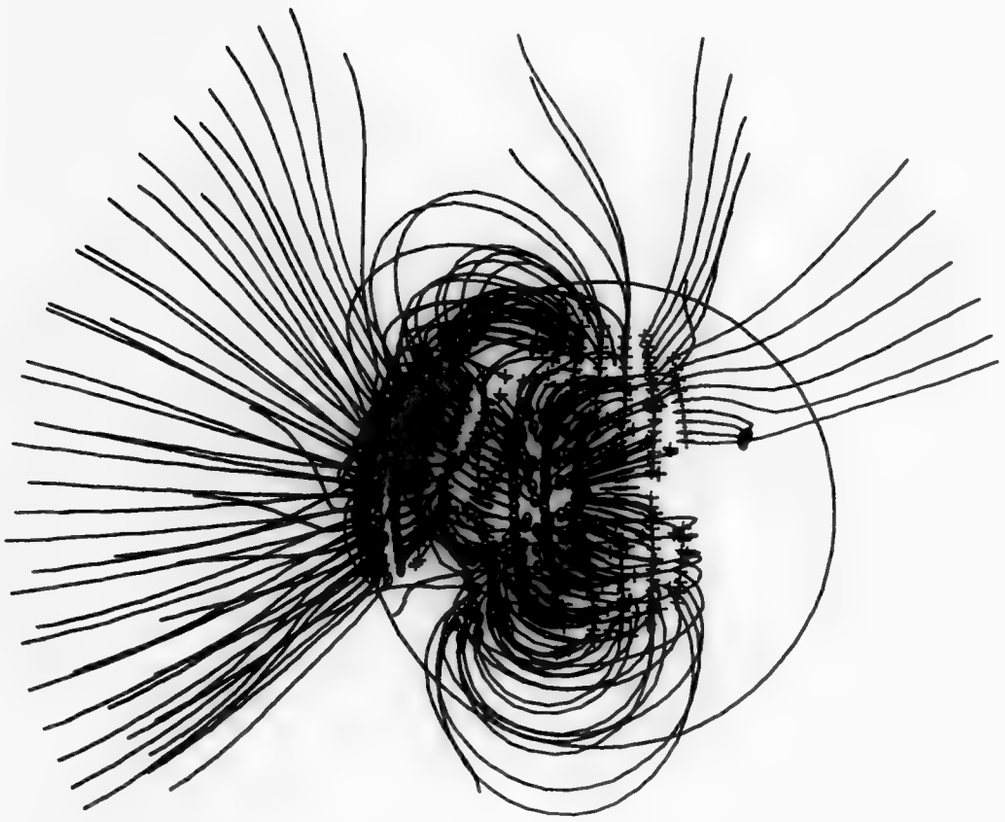
DATA WINDOW 1.852-1.1

ROT. 1452 LONG. 50°

13.0 APR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

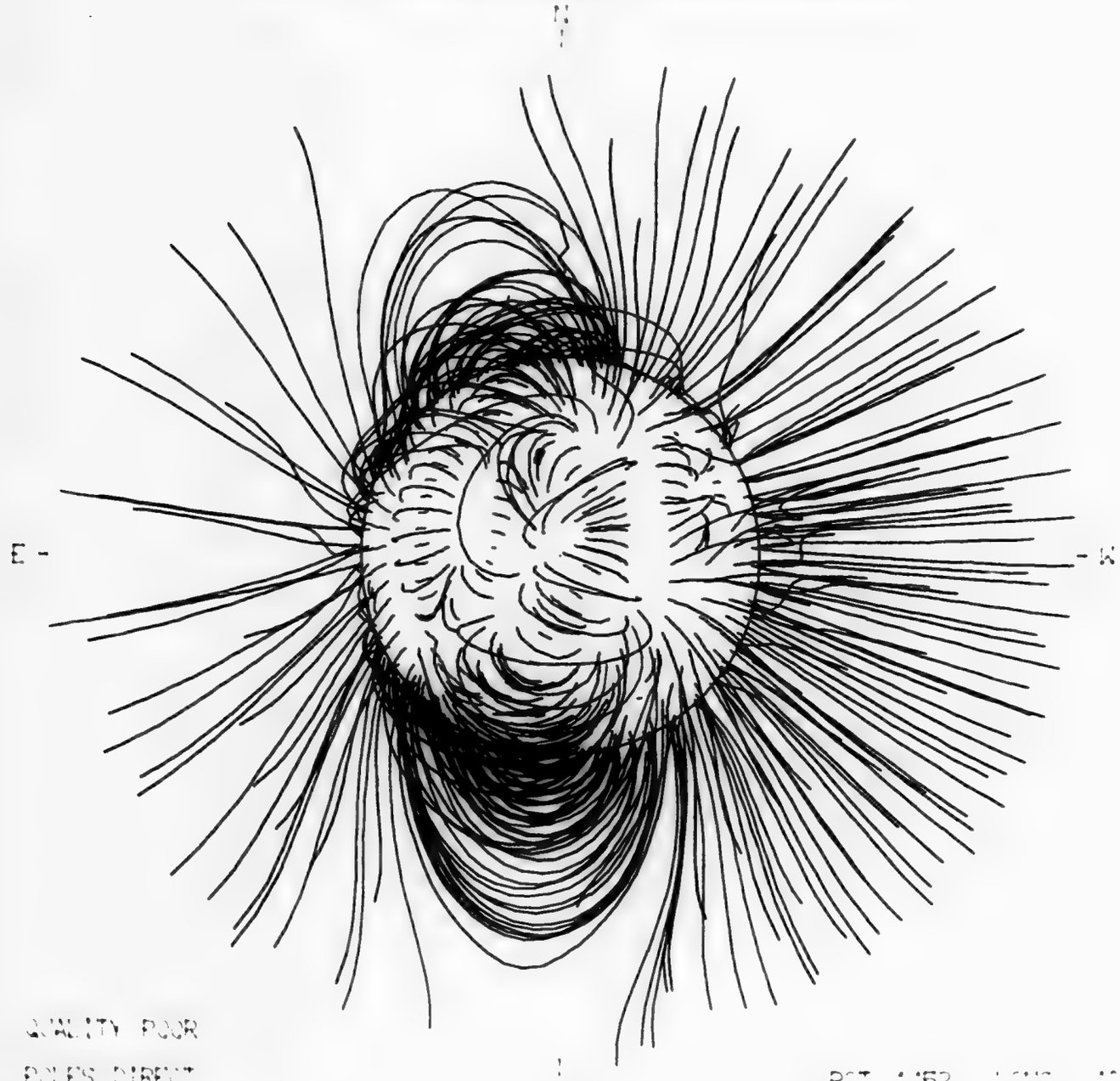
POLES DIRECT

DATA WINDOW 1452.1

ROT. 1452 LONG. 50°

13.0 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

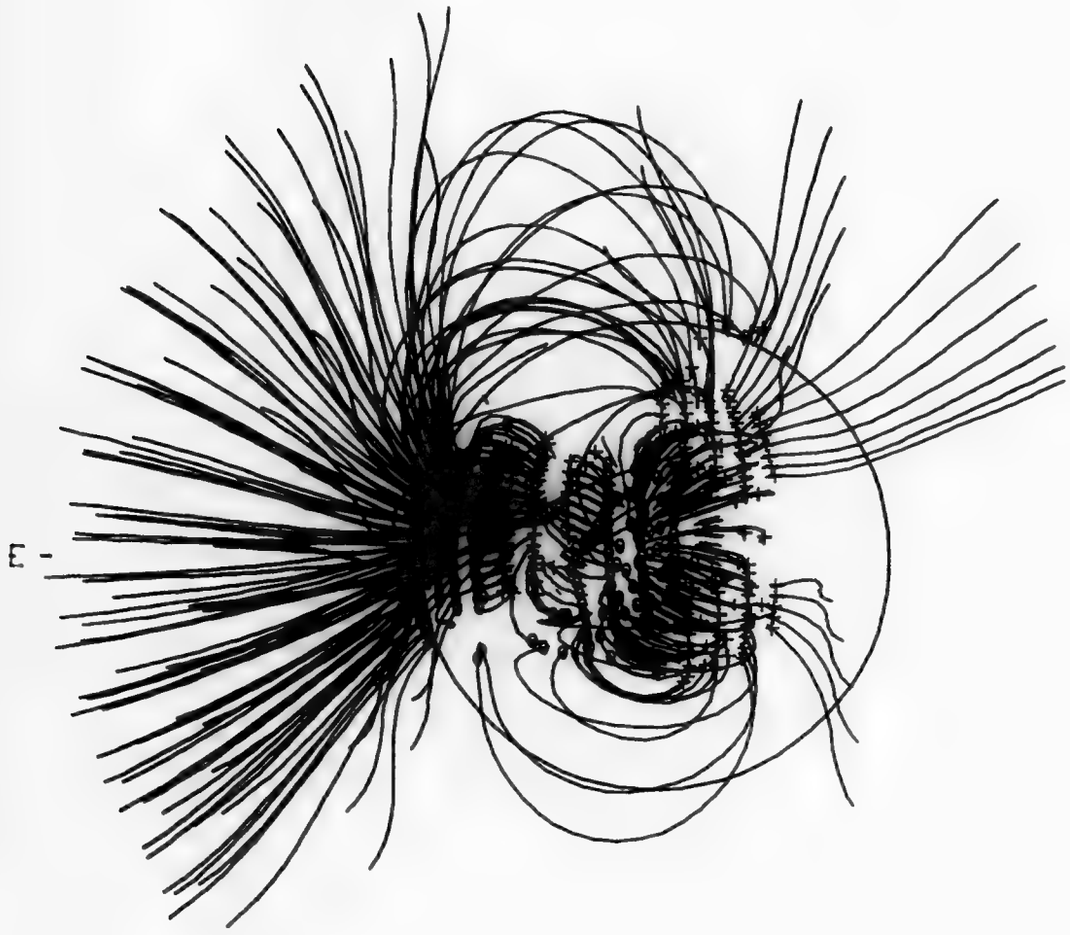
DATA WINDOW 1452.58

ROT. 1452 LONG. 41°

13.7 APR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

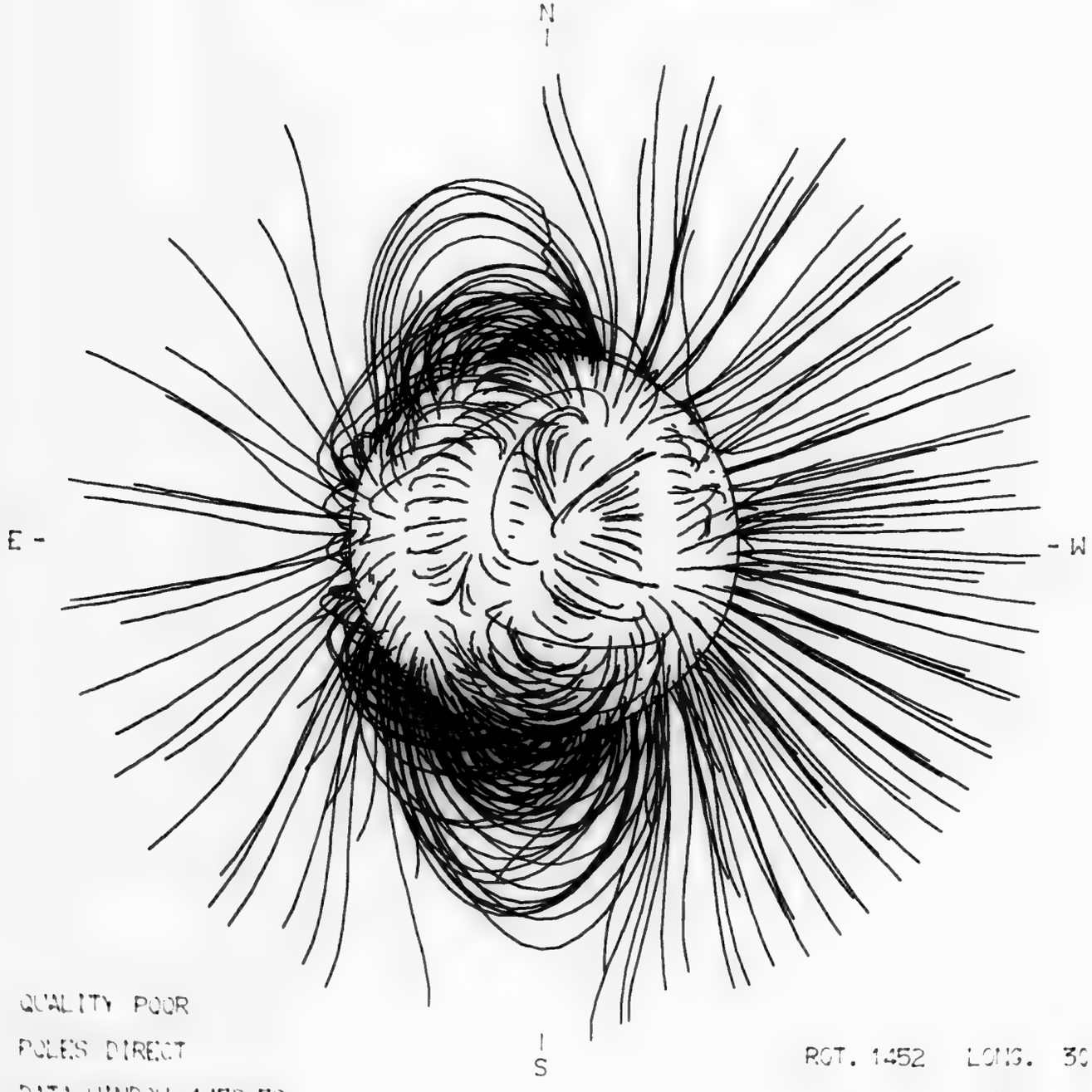
POLES DIRECT

DATA WINDOW 1352.58

ROT. 1452 LONG. 40°

13.7 APR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.58

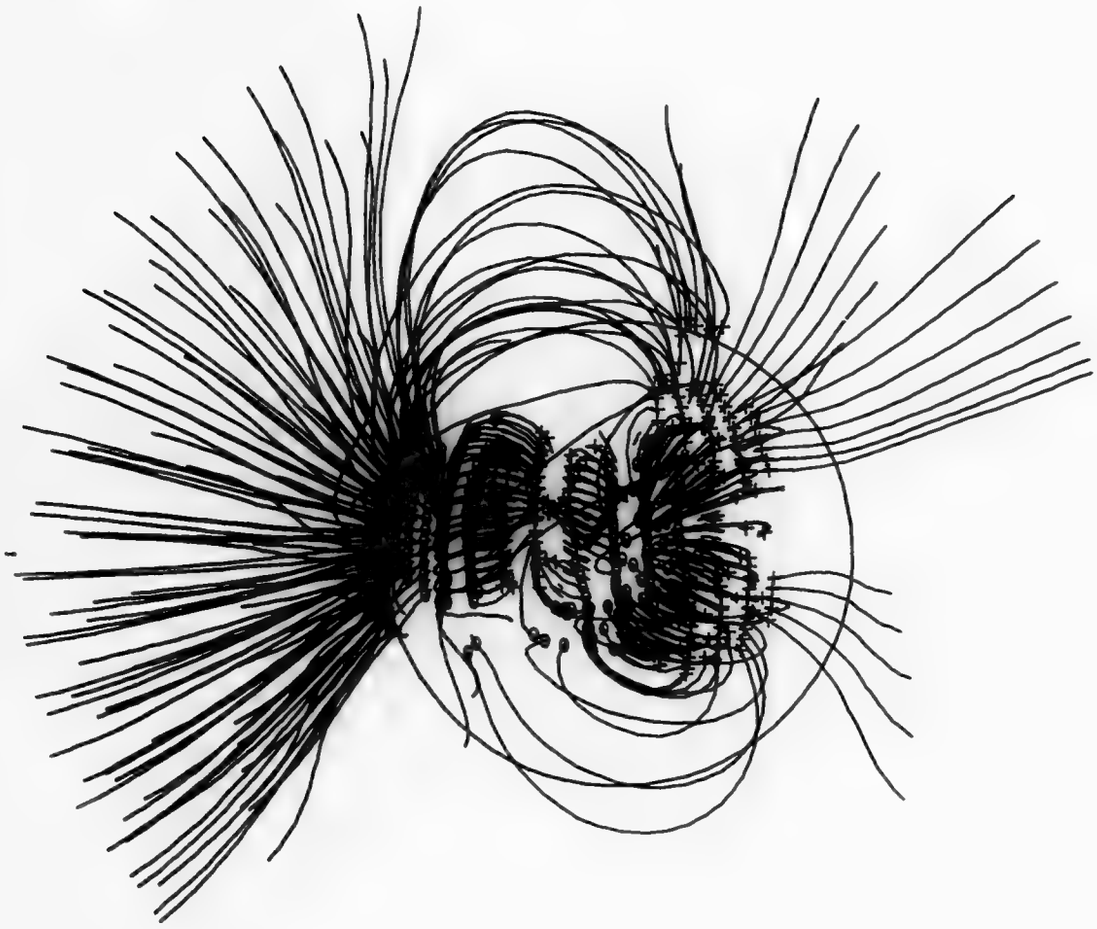
ROT. 1452 LONG. 30°

14.5 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

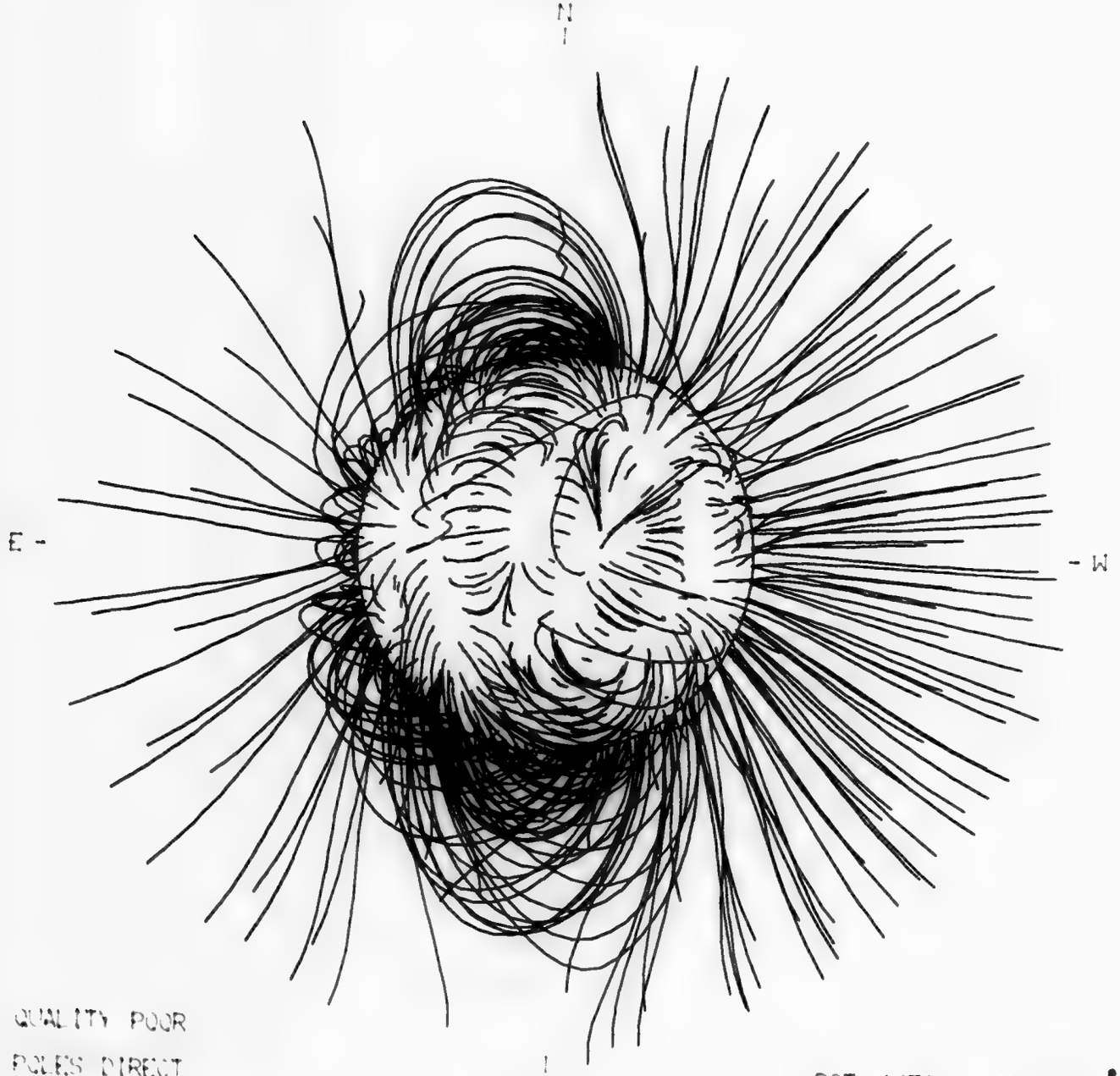
POLES DIRECT

DATA WINDOW 1.850.58

ROT. 1452 LONG. 30°

14.5 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.58

ROT. 1452 LONG. 20°

15.2 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

QUALITY POOR

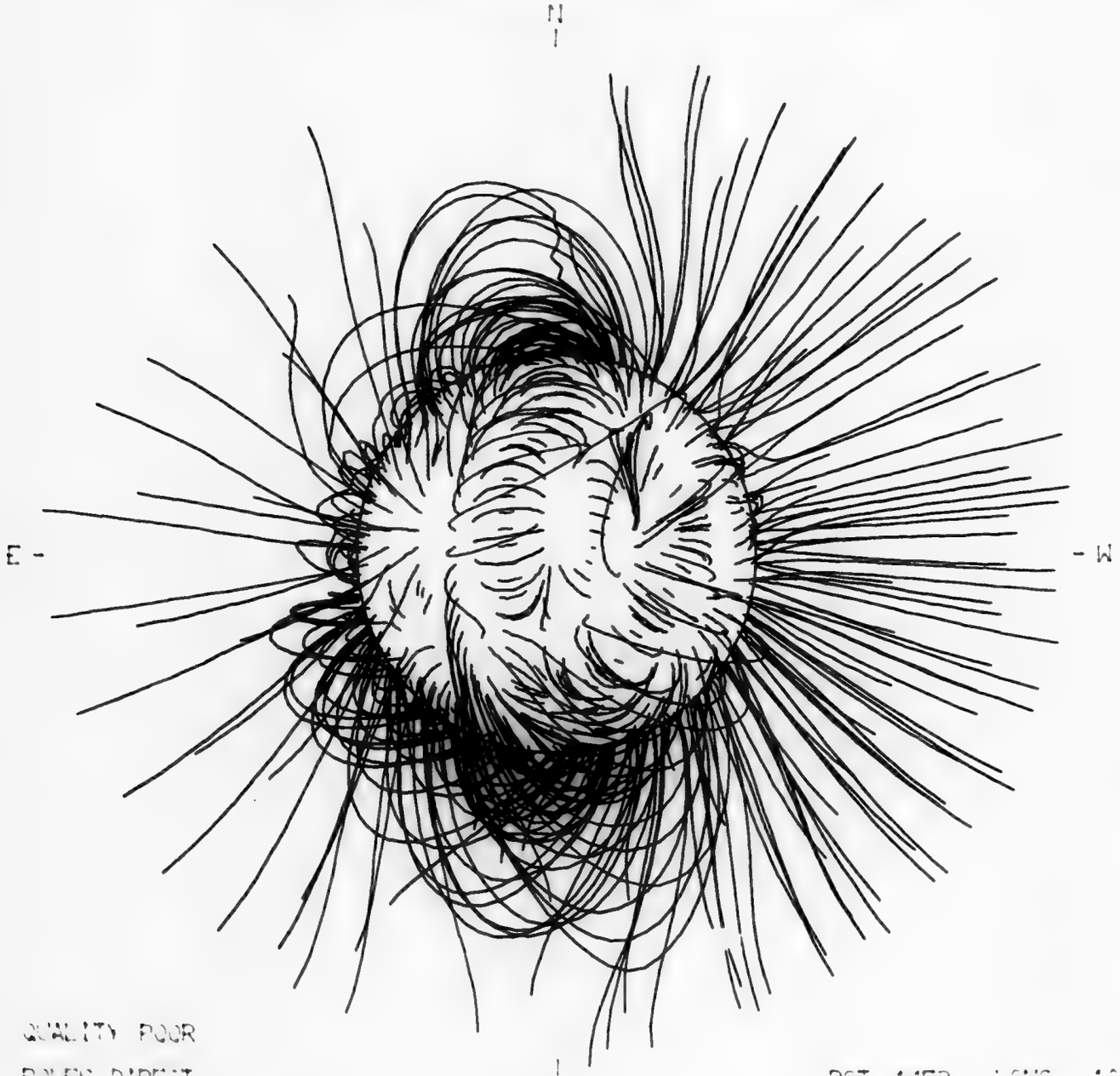
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1452 LONG. 20°

15.2 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.58

ROT. 1452 LONG. 10°

16.0 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

QUALITY POOR

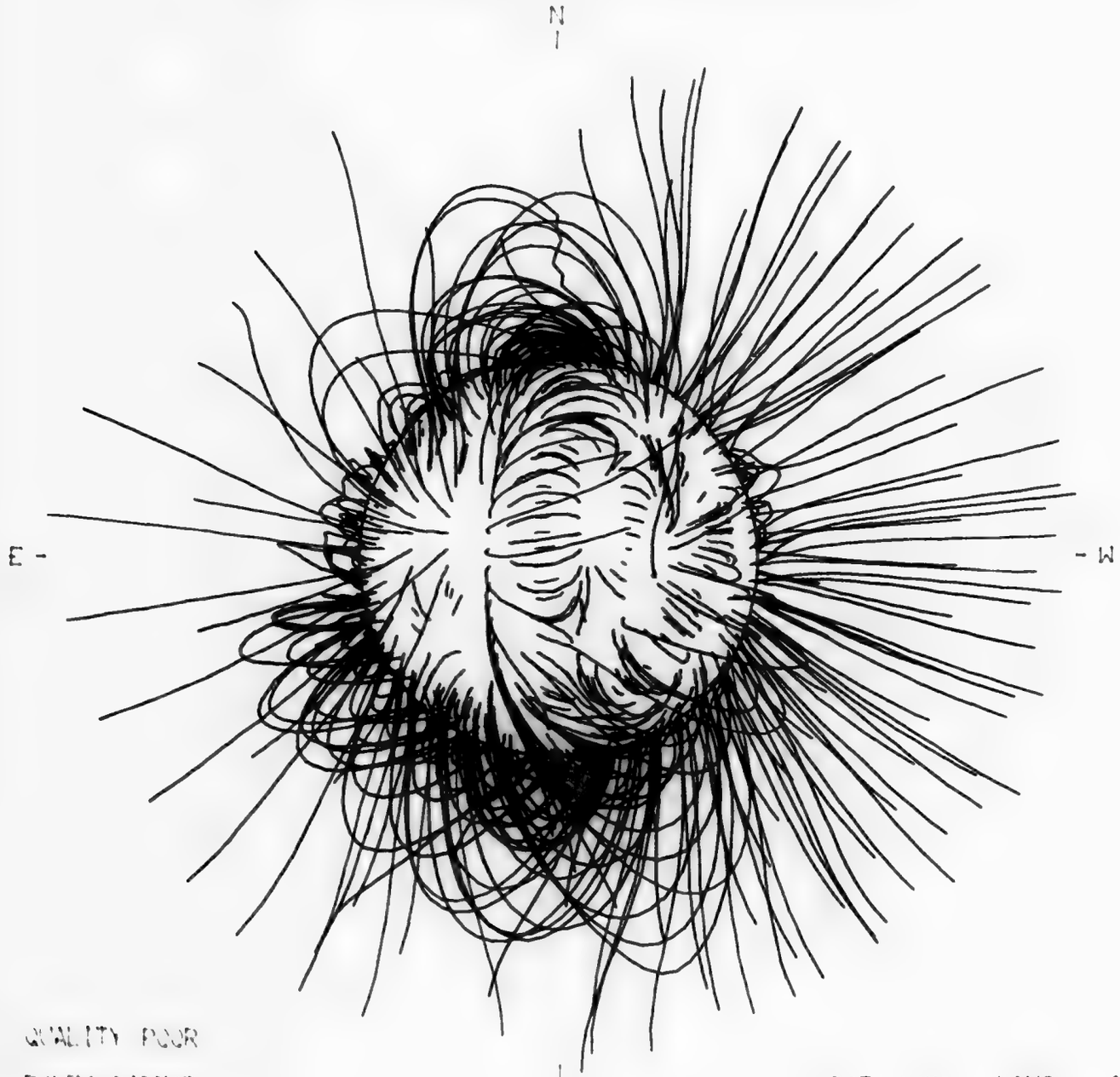
POLES DIRECT

DATA WINDOW 1450.5B

ROT. 1452 LONG. 10°

16.0 APR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

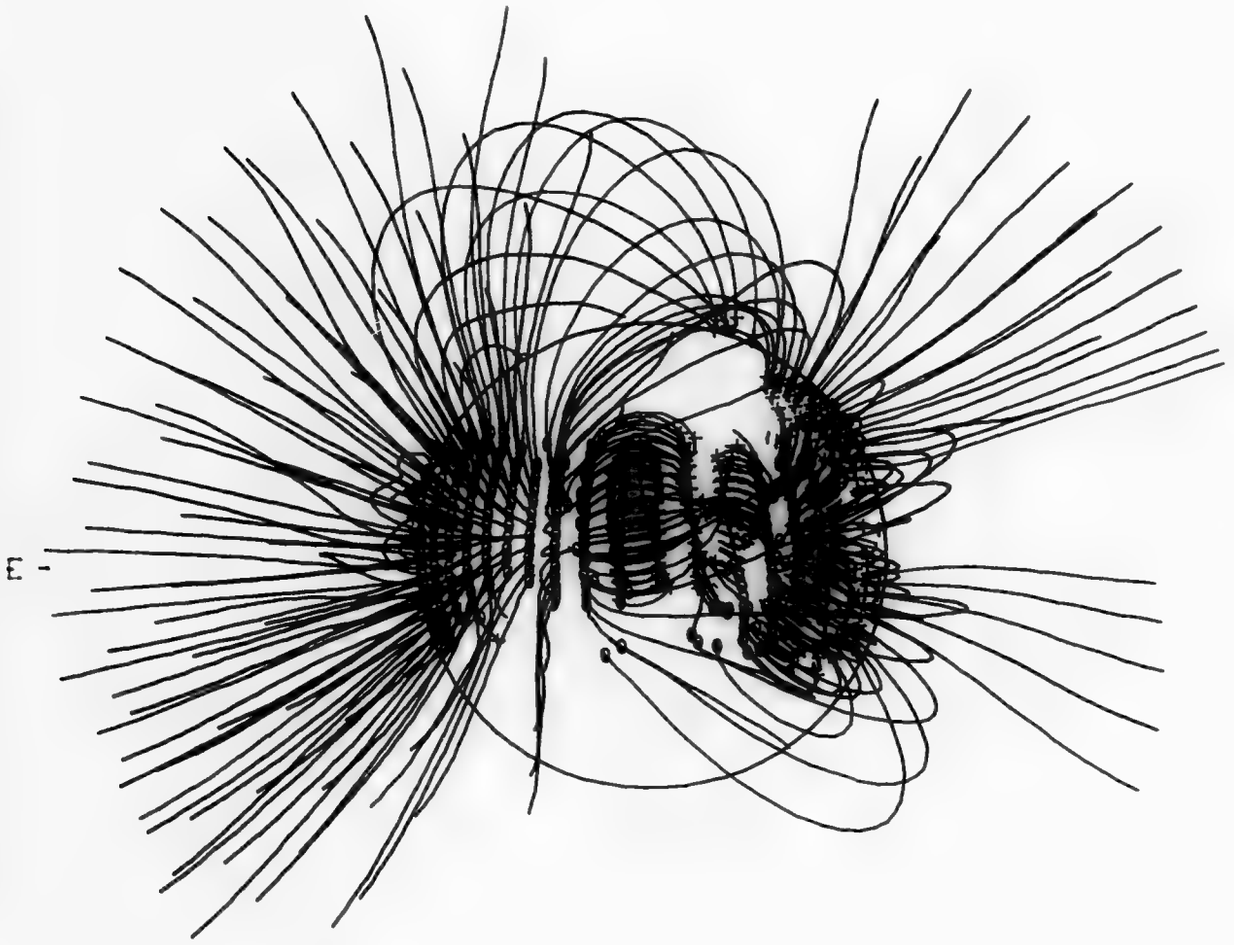
DATA WINDOW 1452.58

ROT. 1452 LONG. 0°

16.7 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

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S

QUALITY POOR

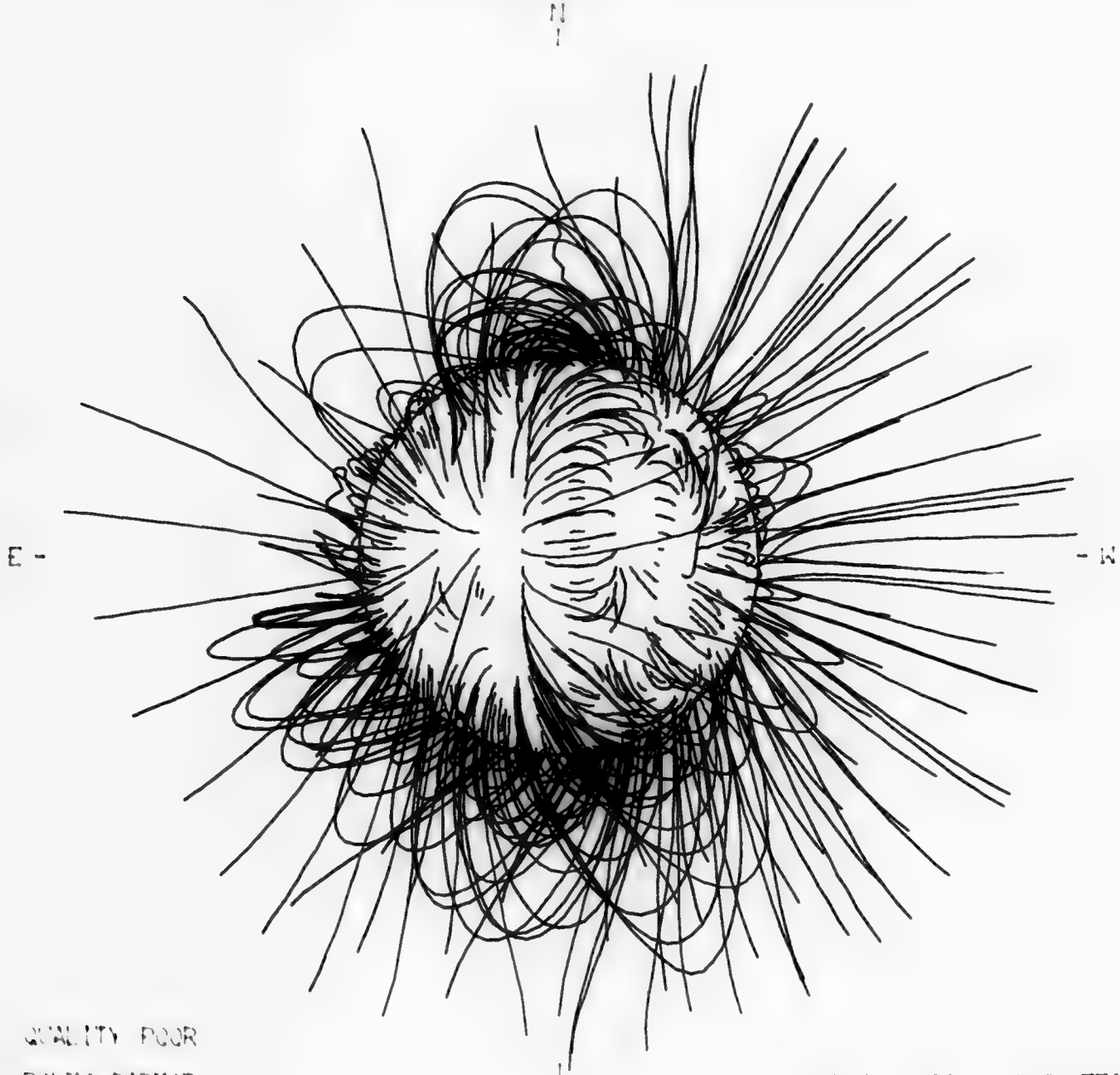
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1452 [illegible]

16.7 APR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

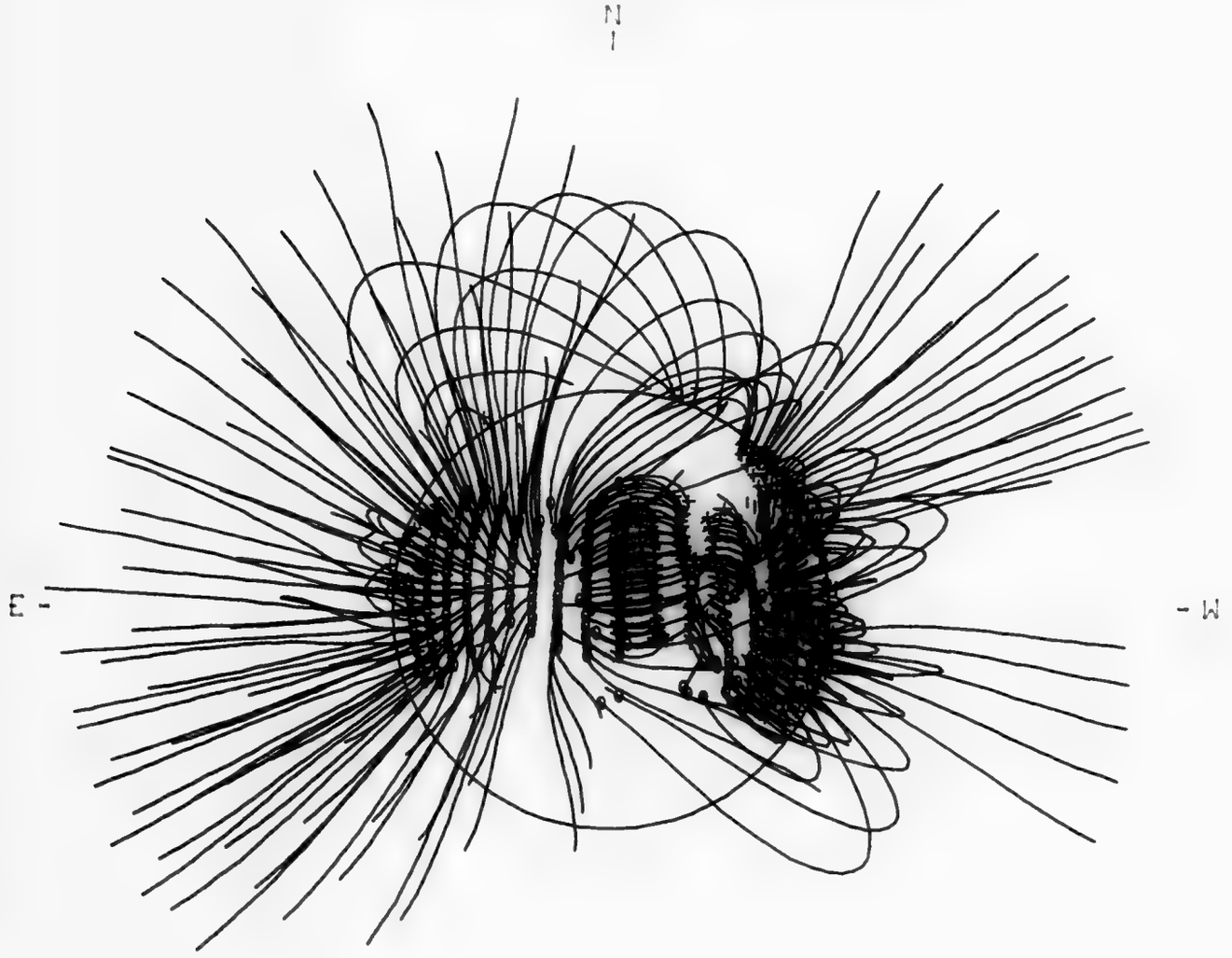
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 350°

17.5 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

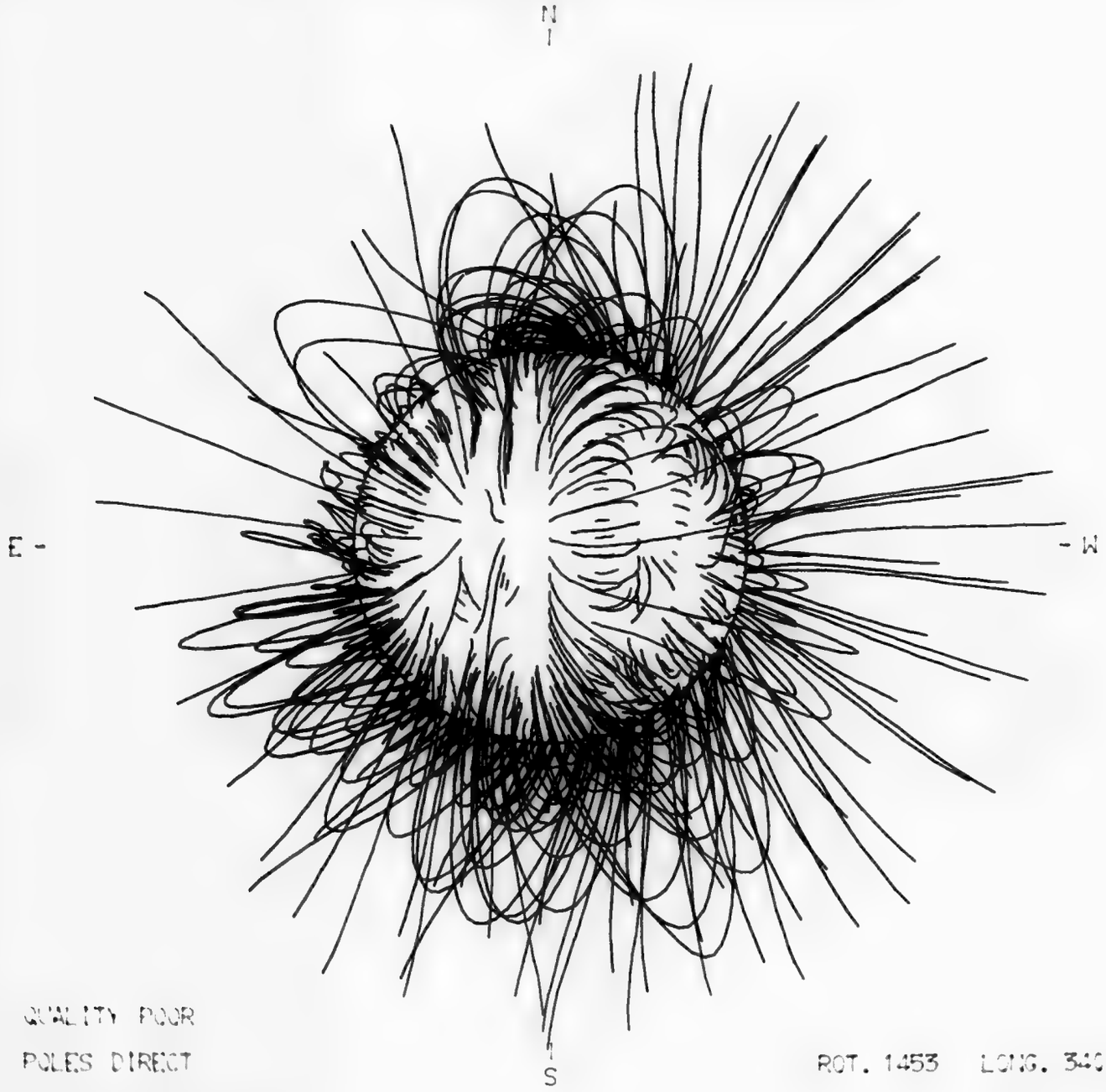
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 350°

17.5 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

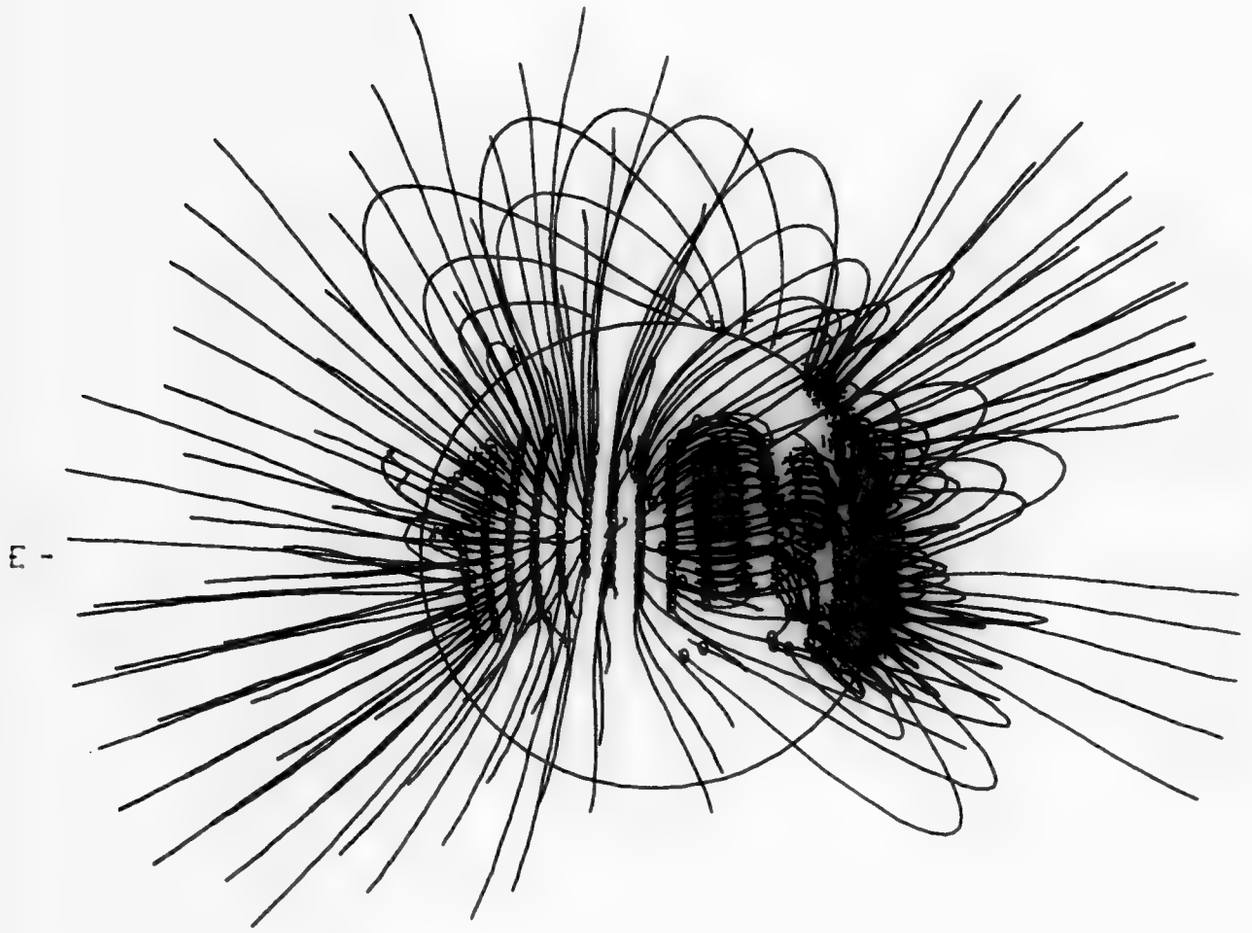
DATA WINDOW 1452.58

ROT. 1453 LONG. 340°

18.3 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

S

QUALITY POOR

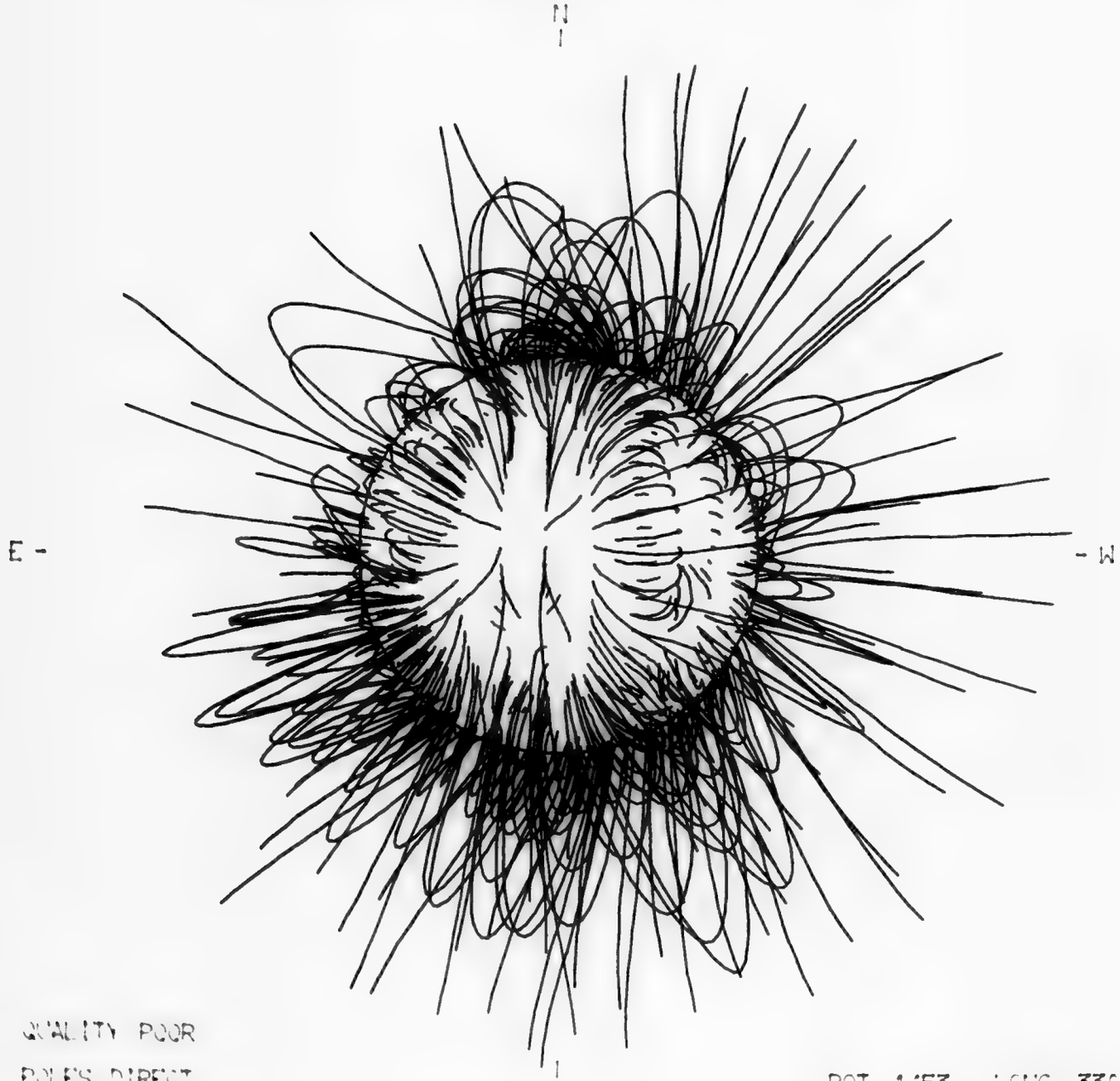
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 340°

18.3 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

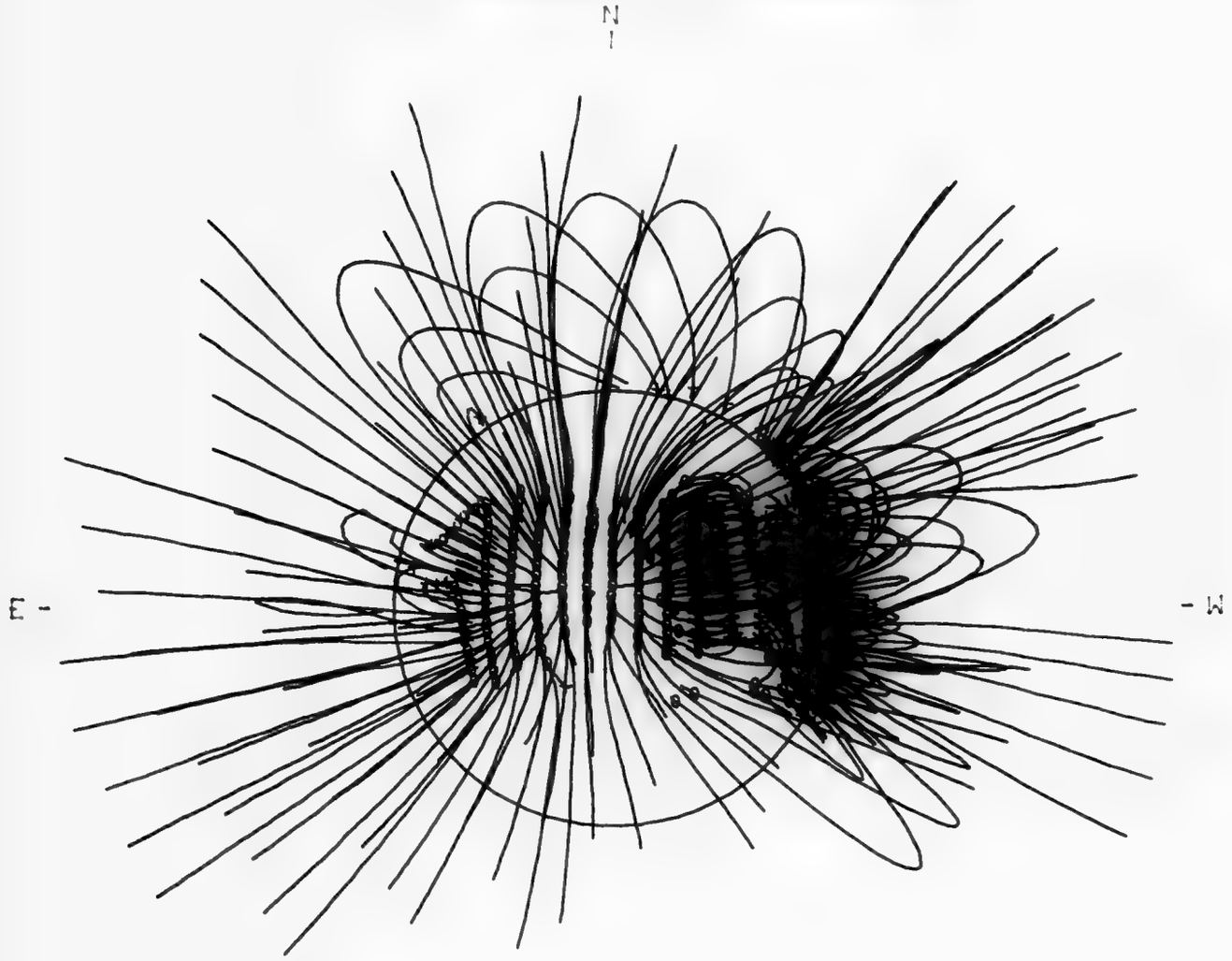
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 330°

19.0 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

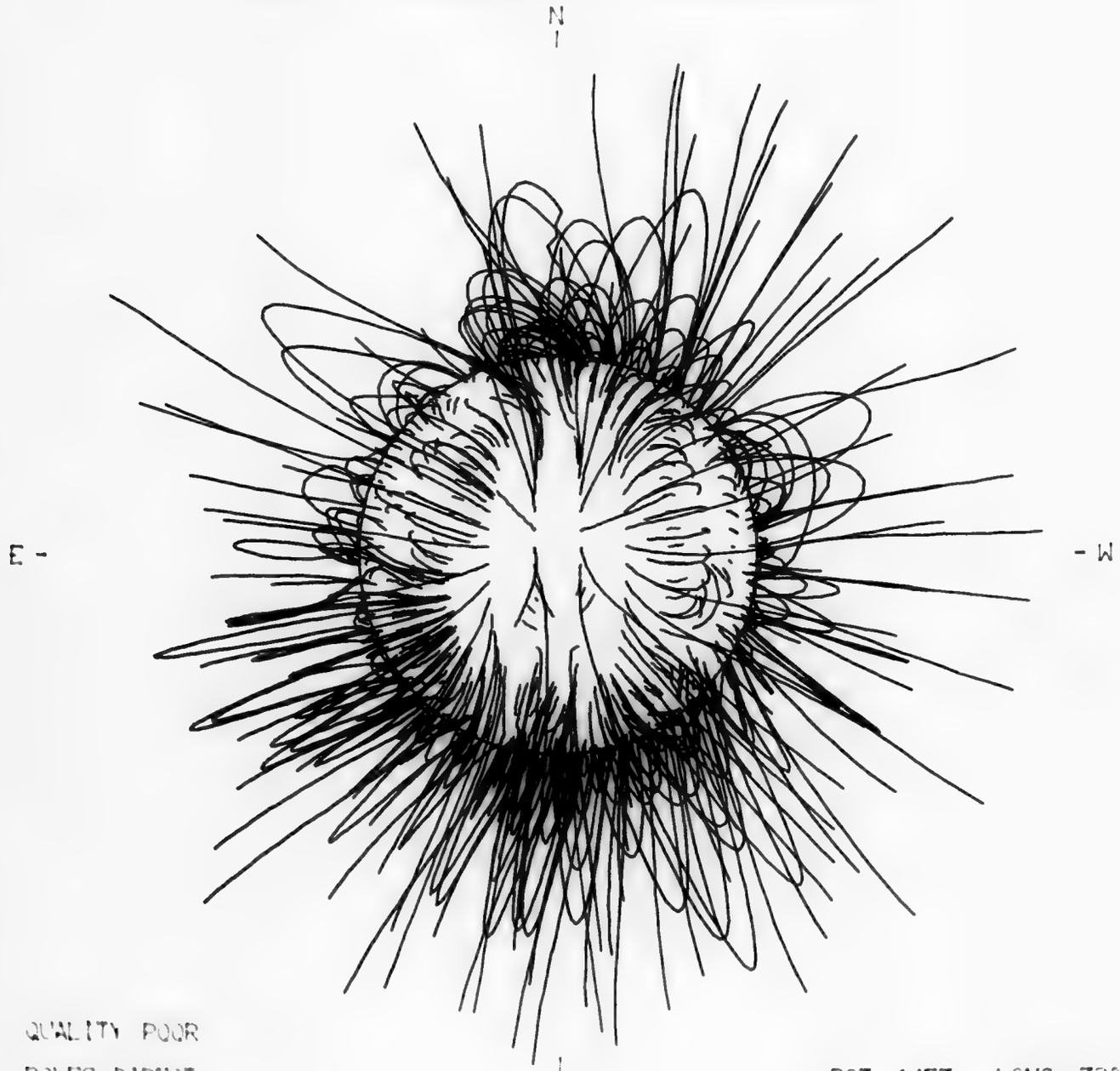
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 330°

19.0 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

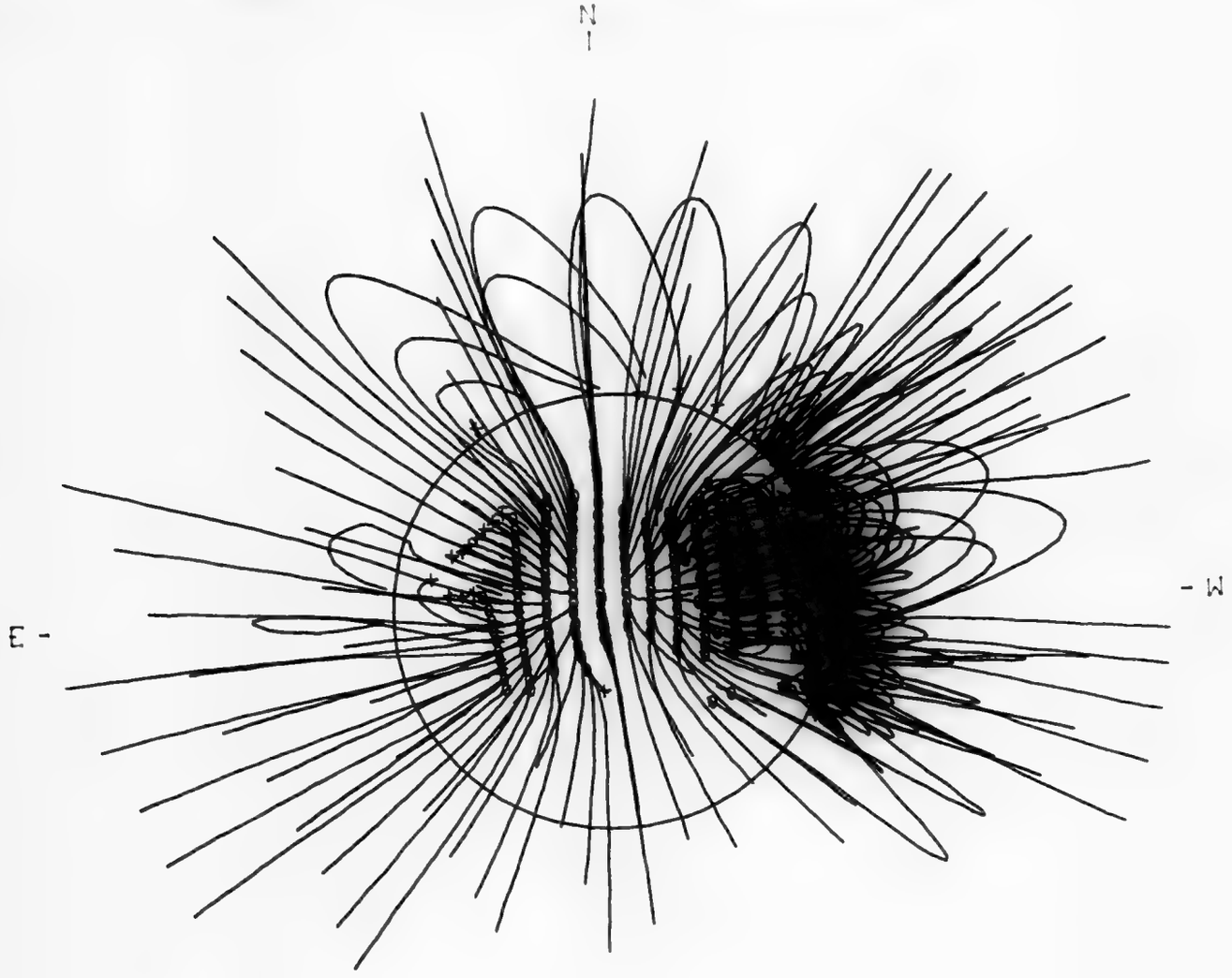
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 320°

19.8 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

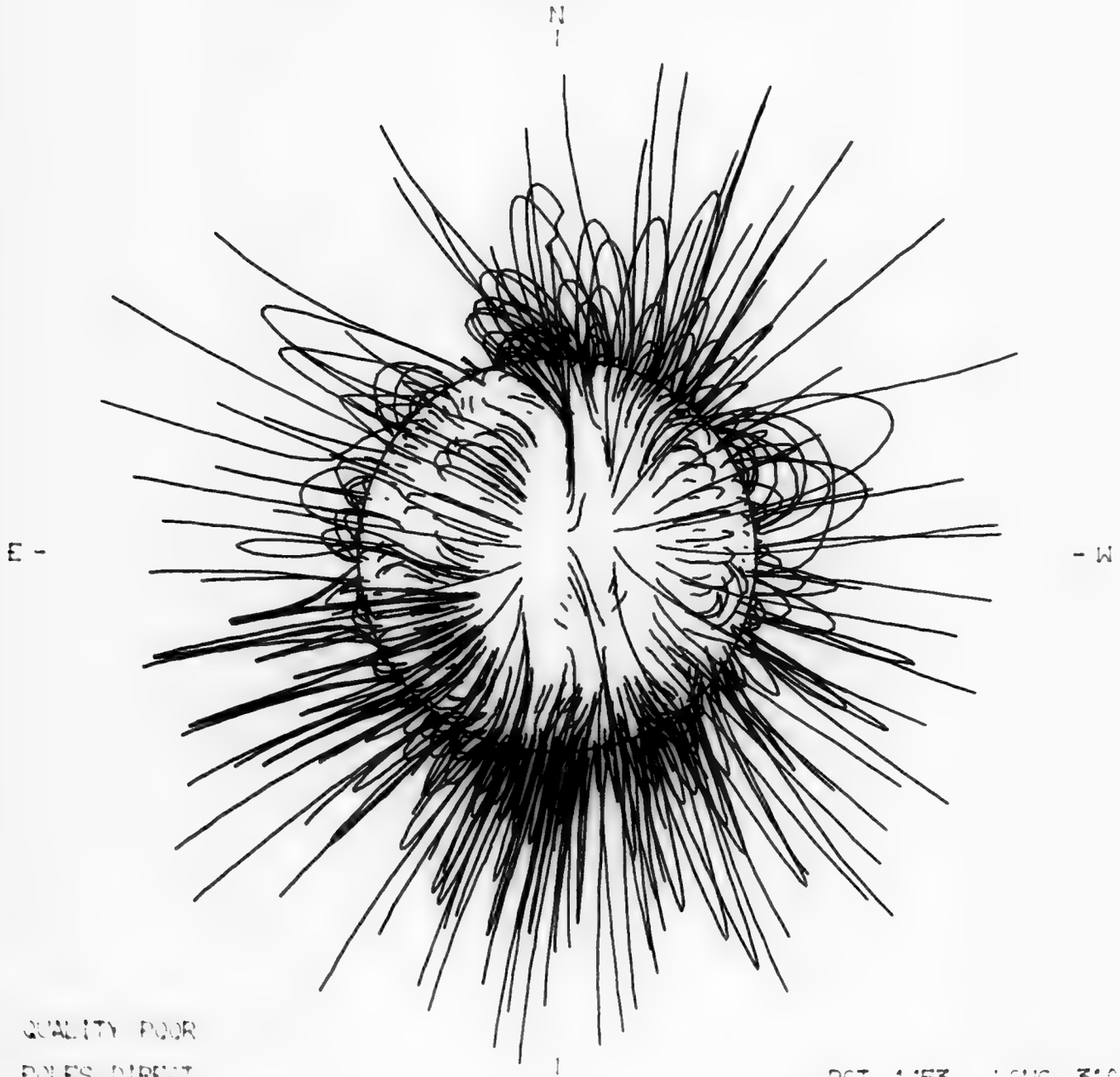
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 320°

19.8 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 310°

20.5 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

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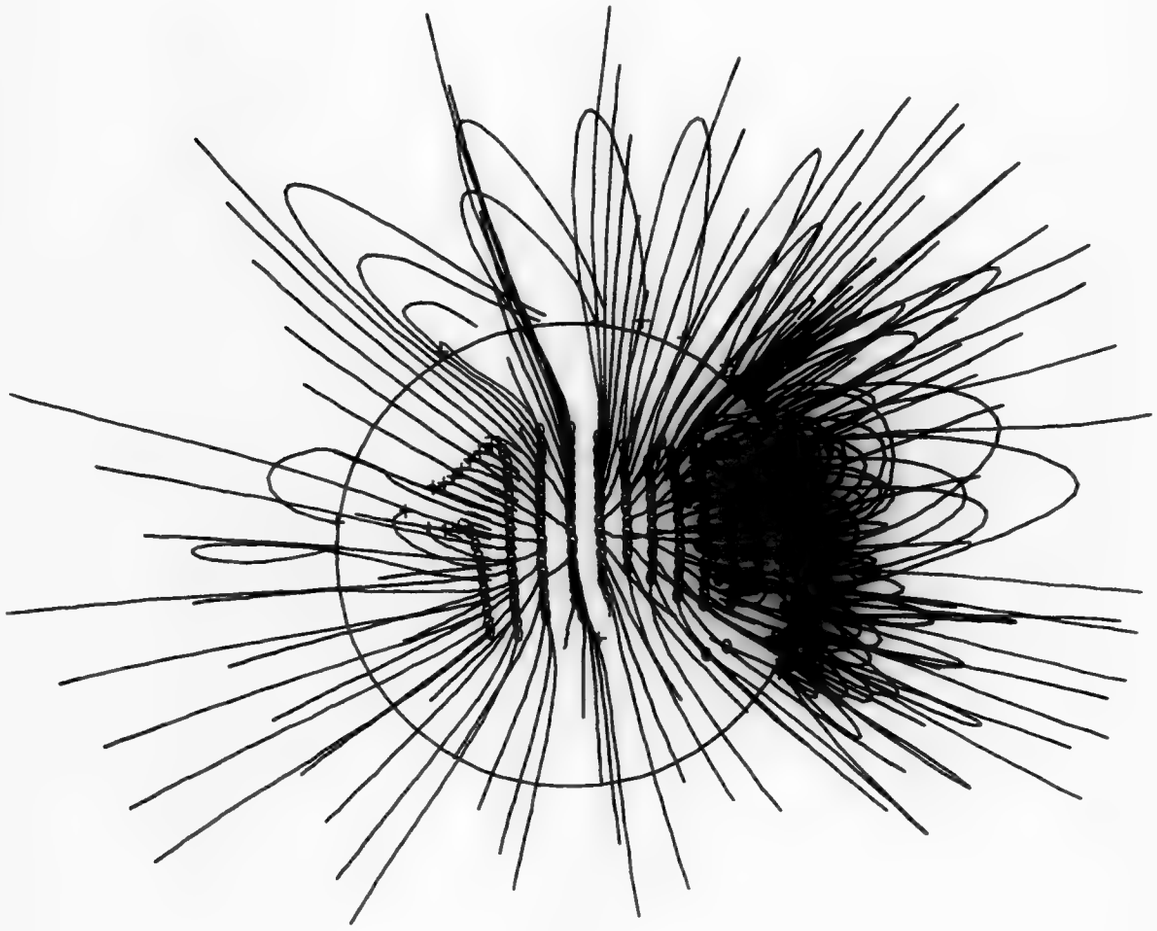
S



QUALITY POOR

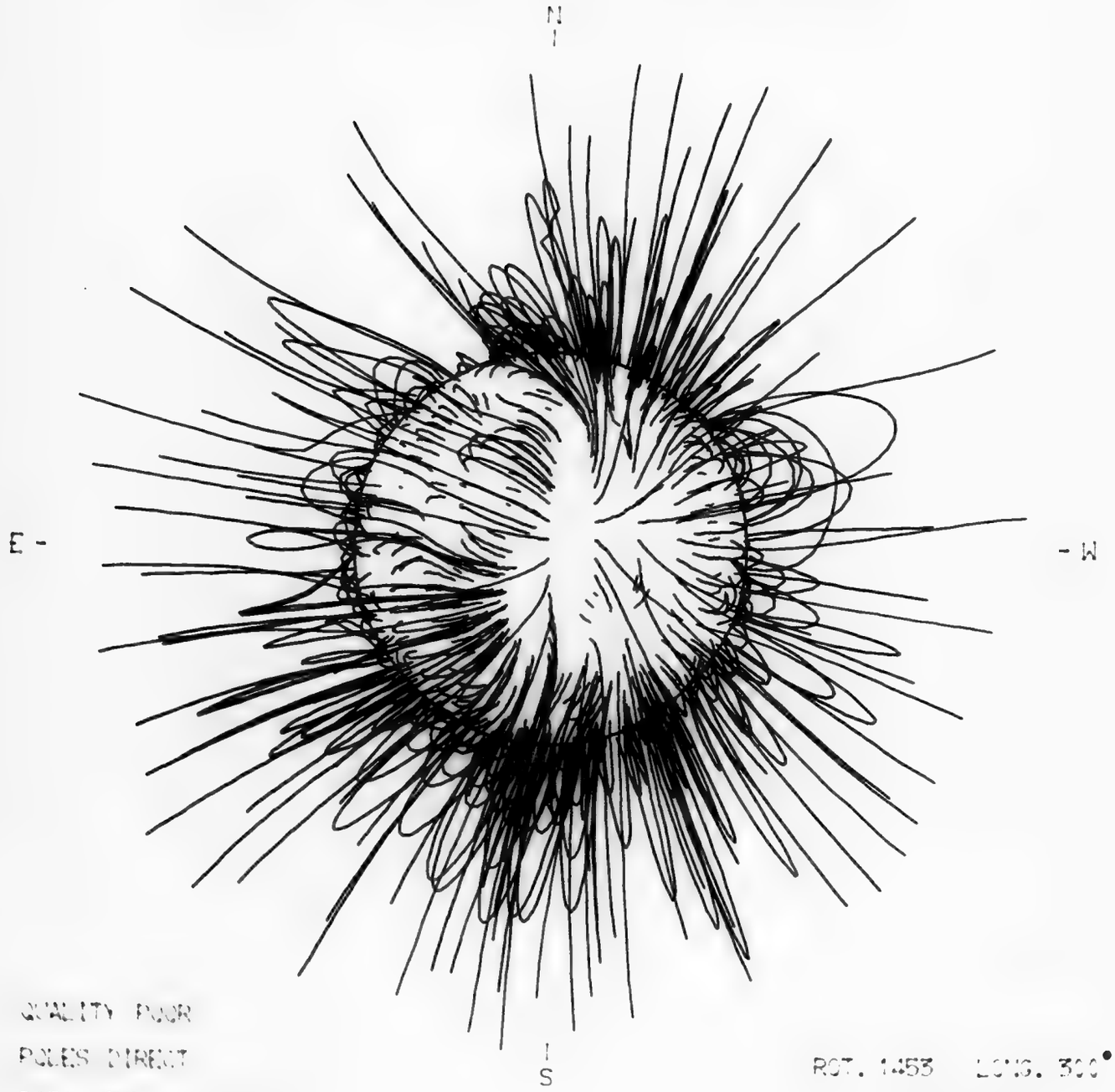
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 310°

20.5 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

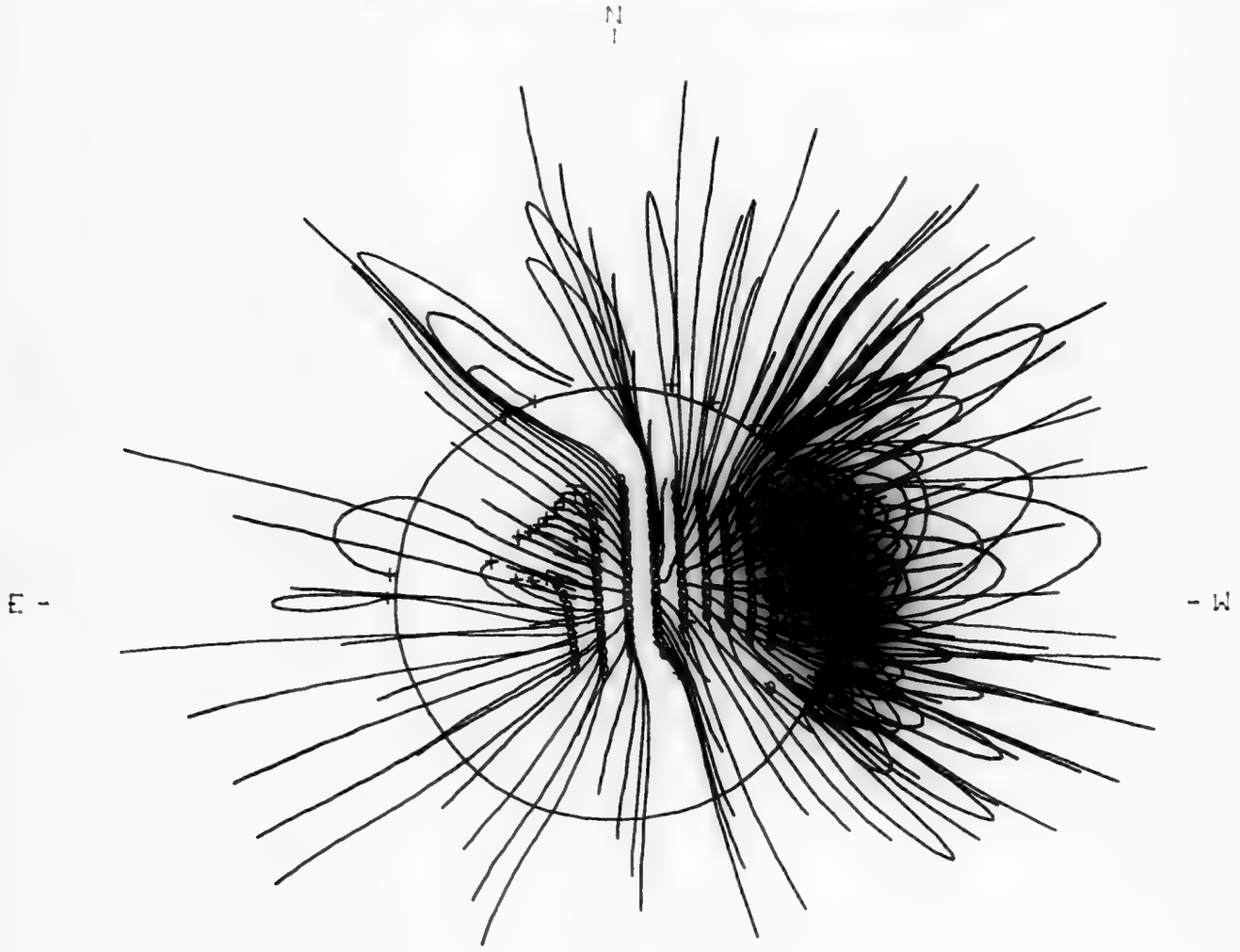
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 300°

21.3 APR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

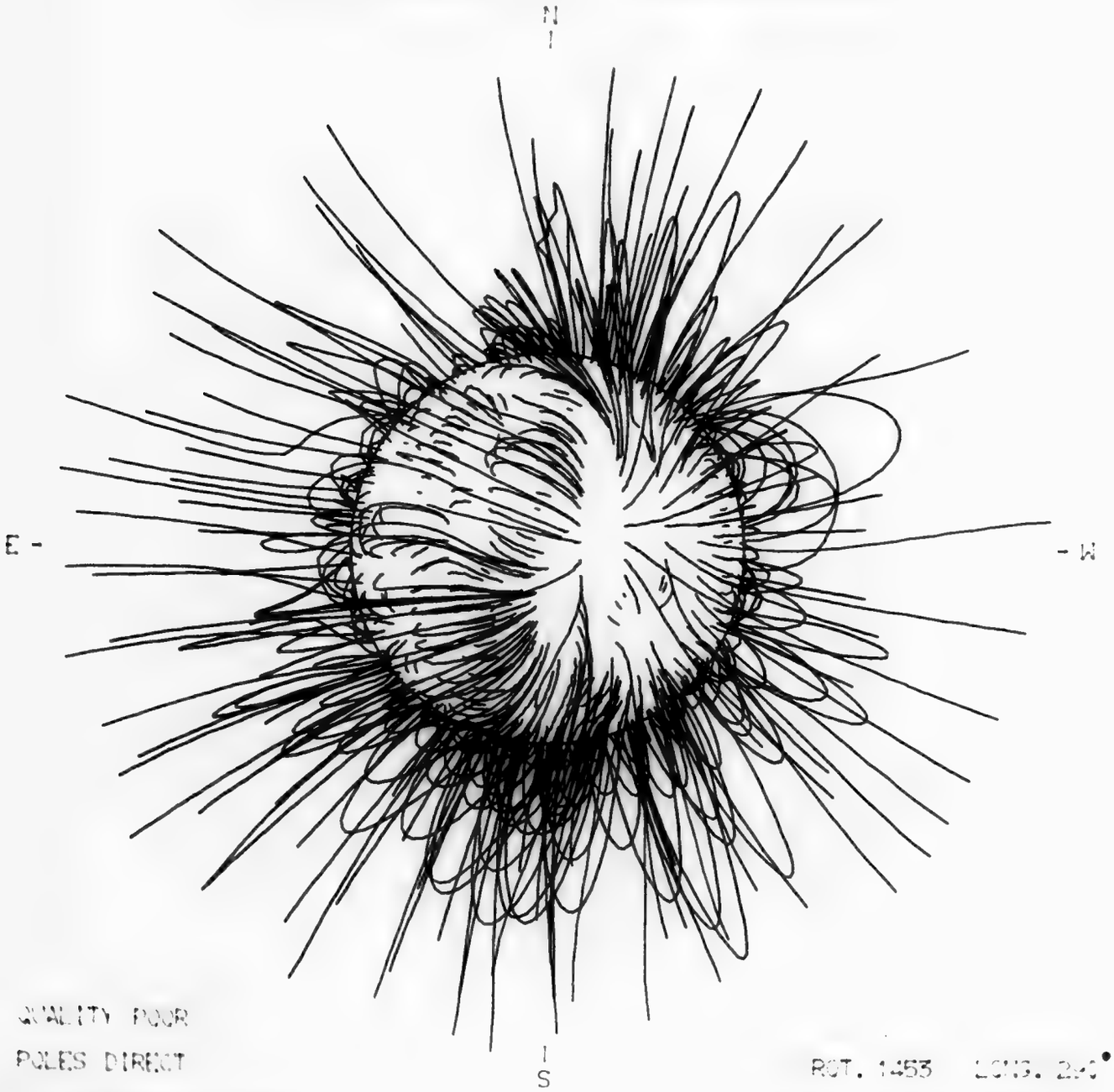
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 300°

21.3 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.68

ROT. 1453 LONG. 24°

22.1 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

QUALITY POOR

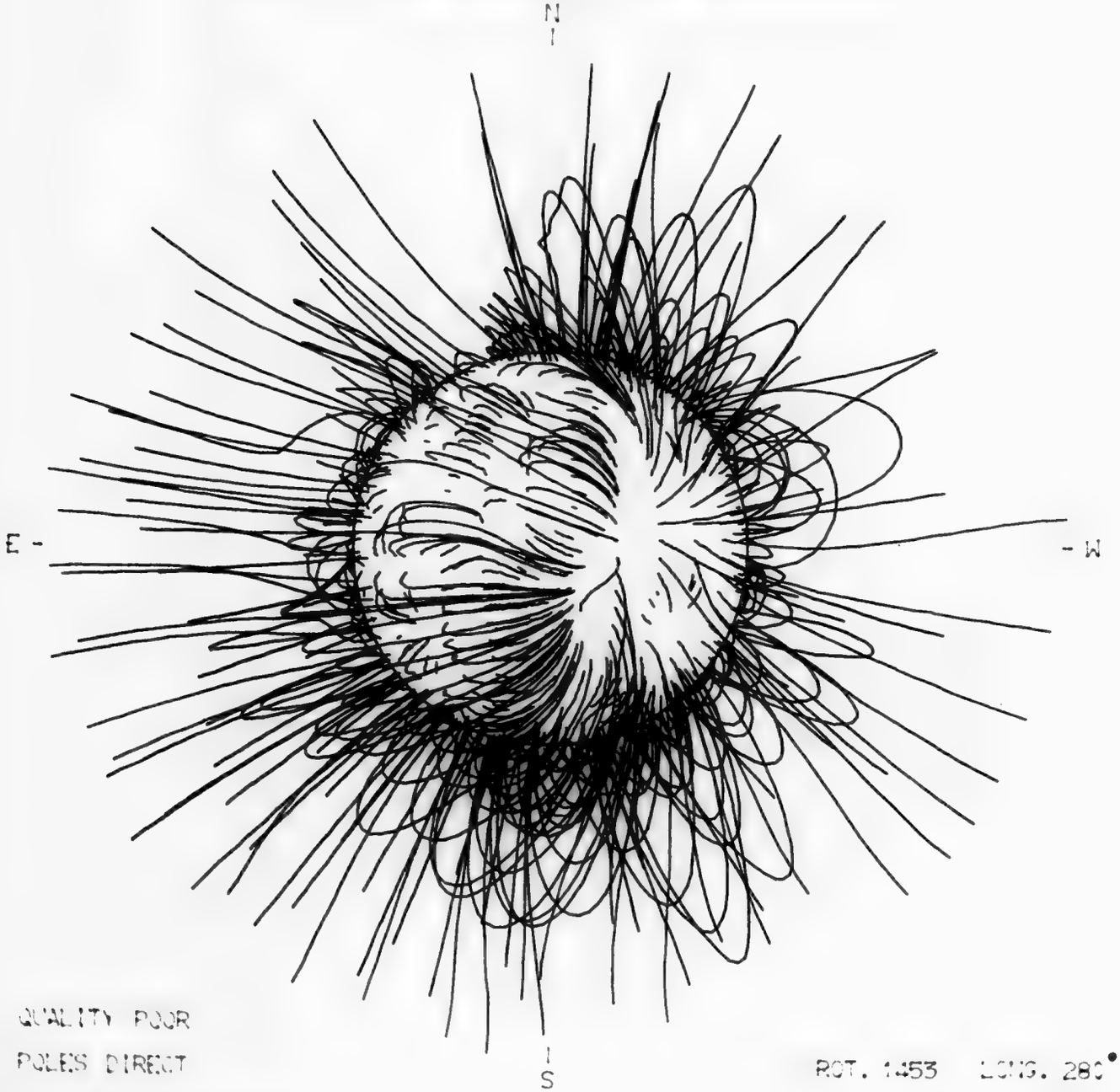
POLES DIRECT

DATA WINDOW 1.852.58

ROT. 1453 LONG. 29°

22.1 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.58

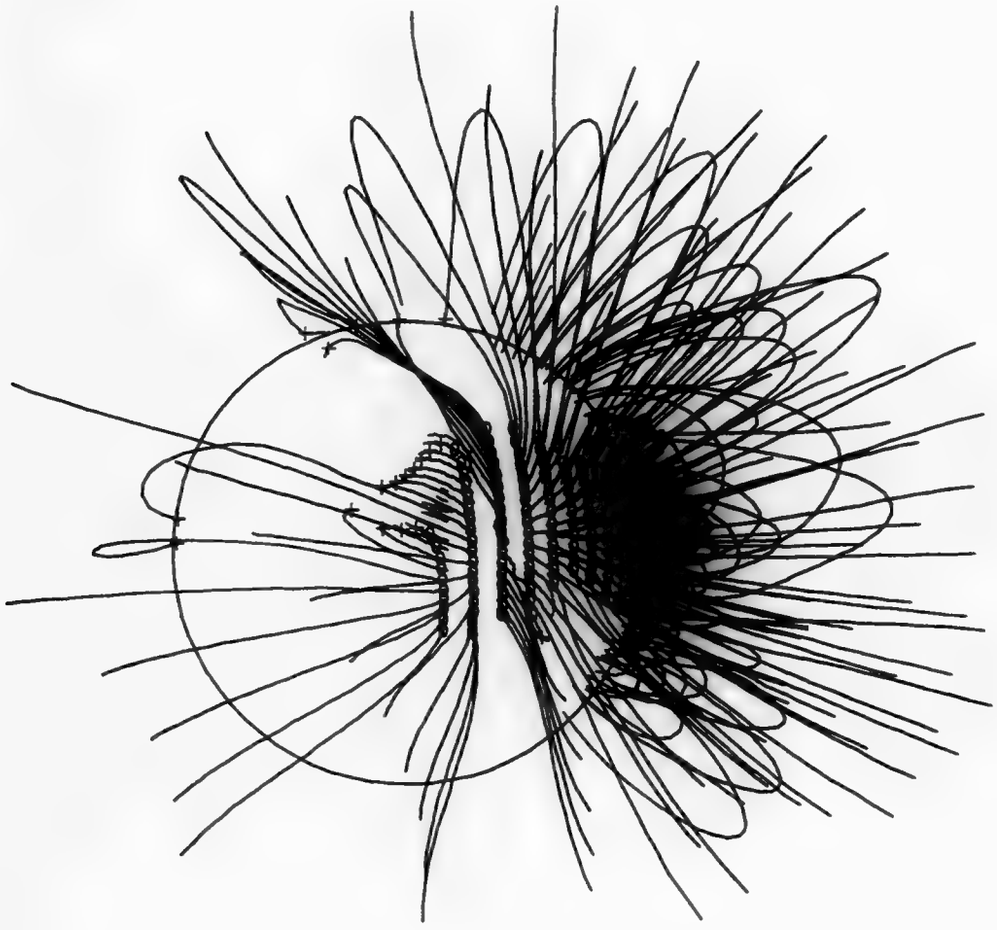
ROT. 1453 LONG. 280°

22.8 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

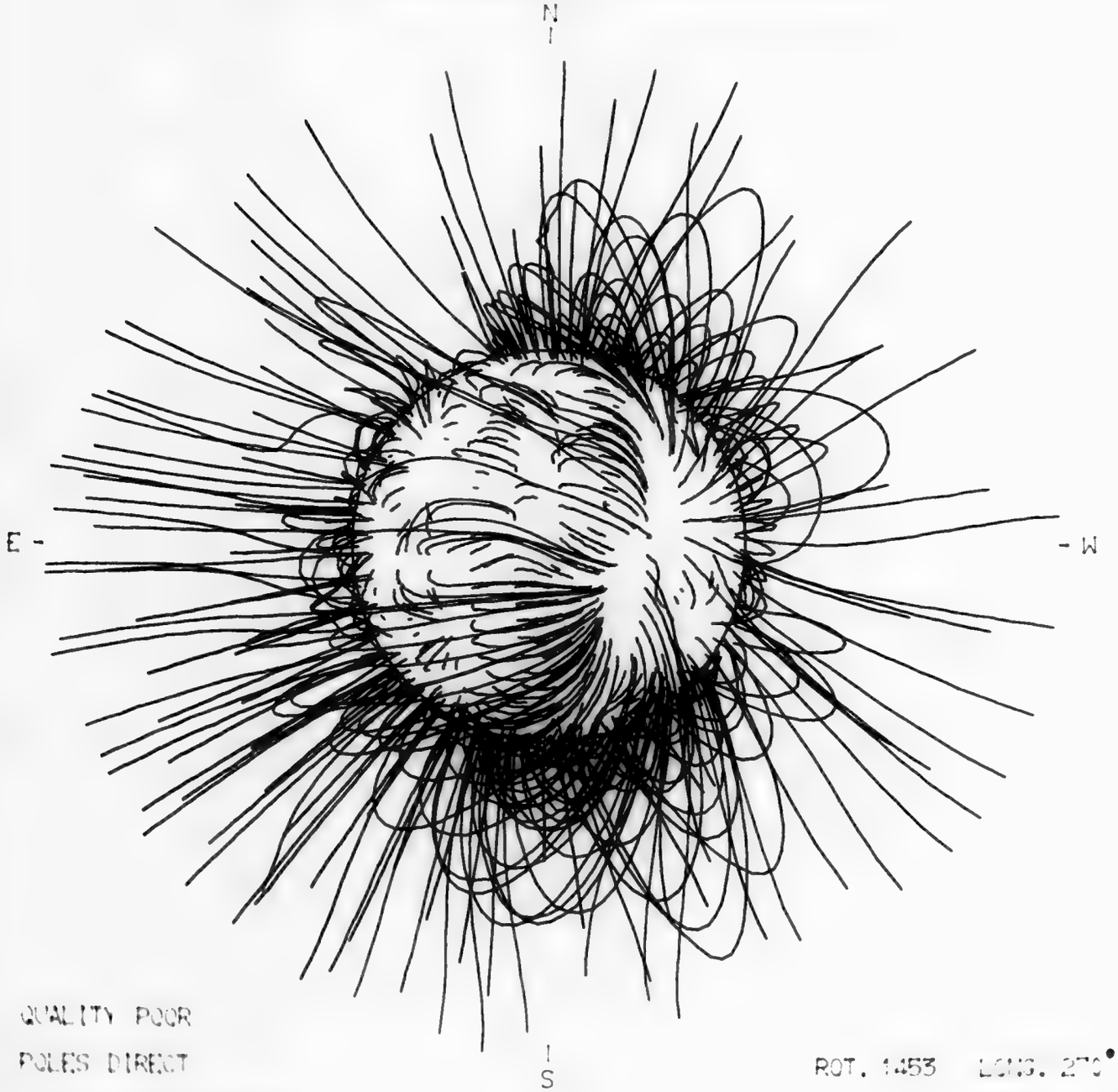
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 280°

22.8 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1352.58

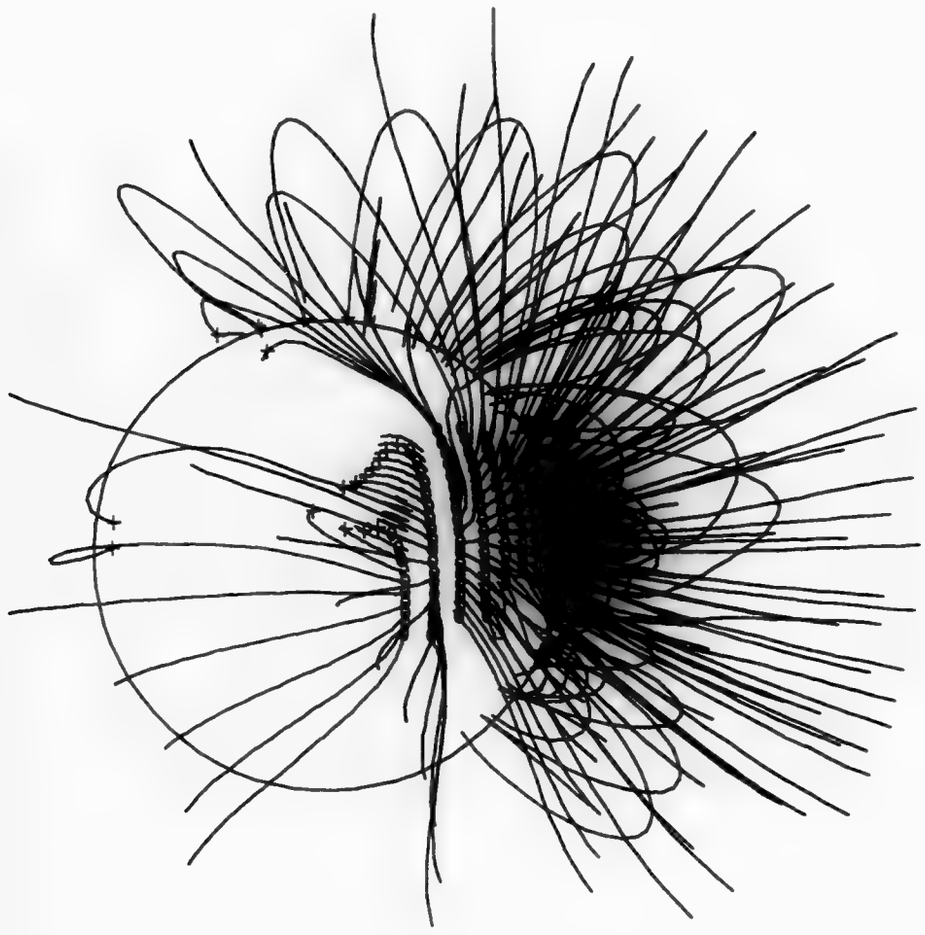
ROT. 1453 LONG. 270°

23.6 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

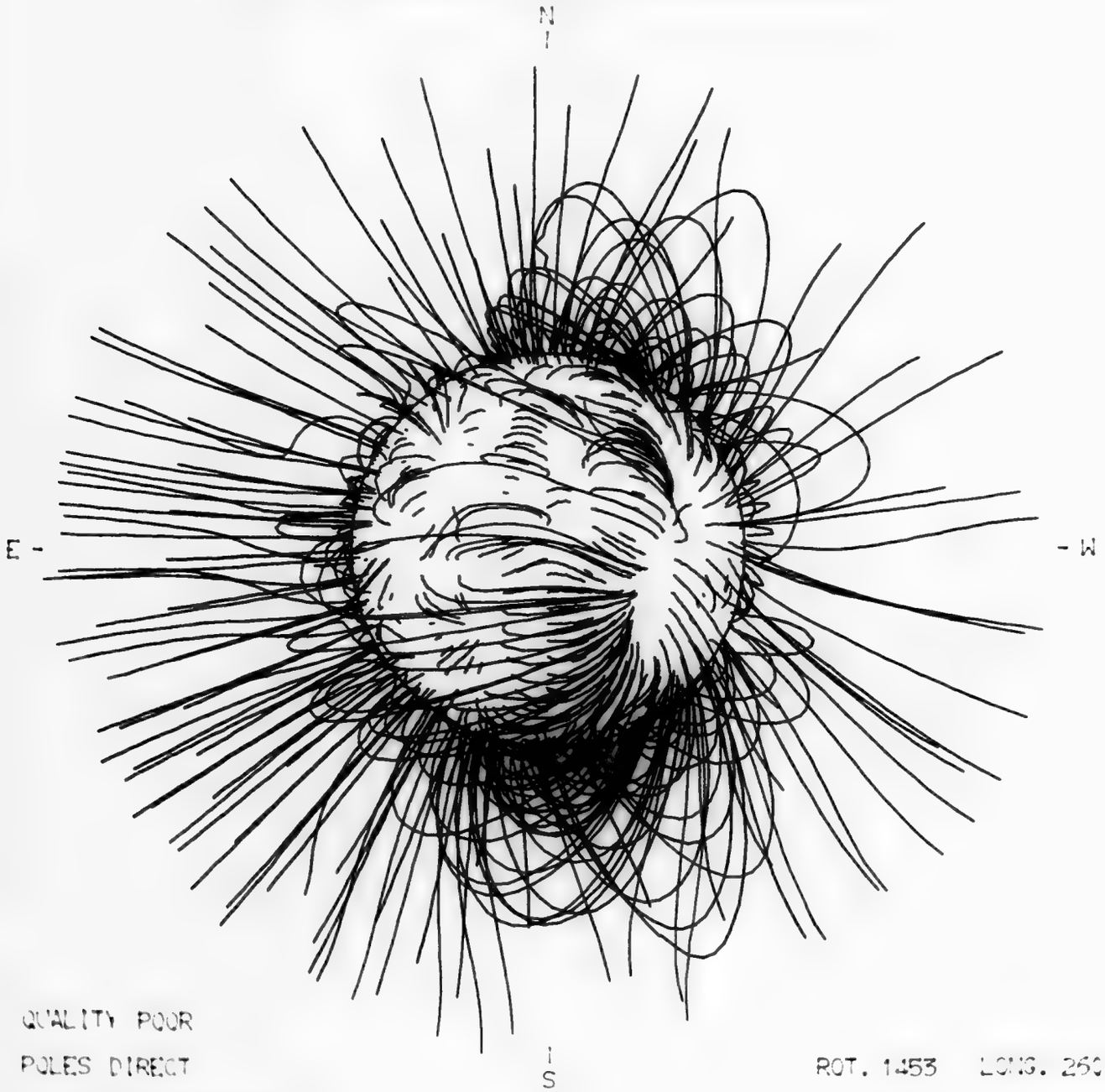
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 270°

23.6 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.58

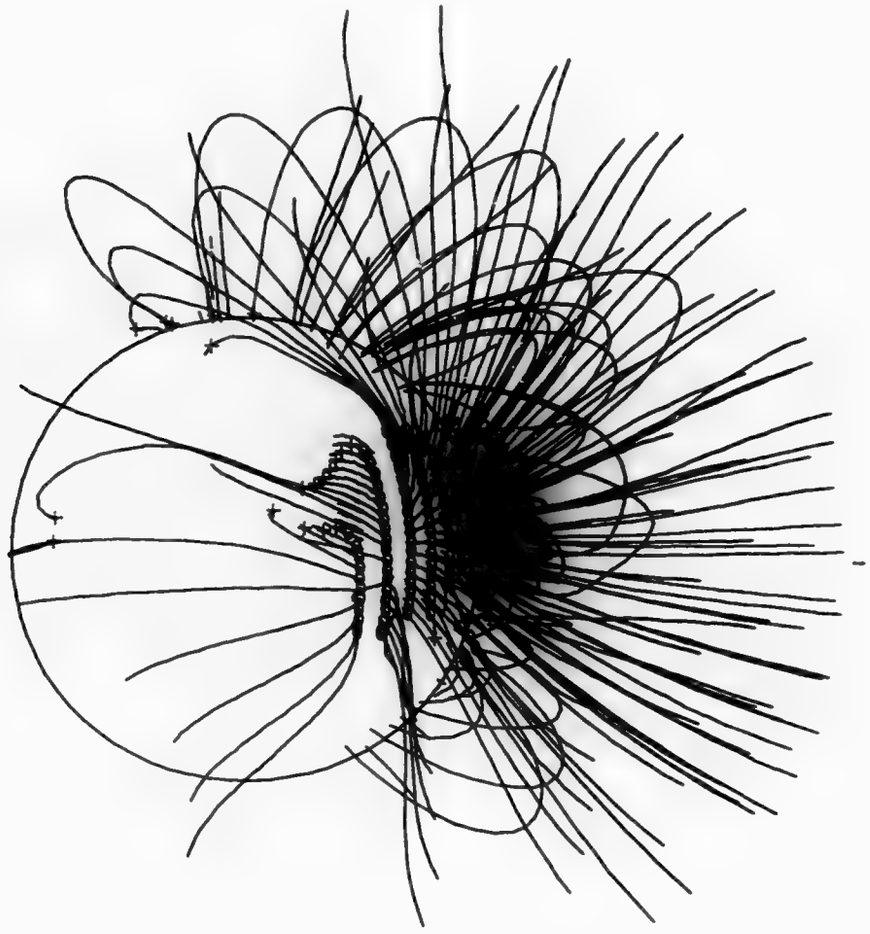
ROT. 1453 LONG. 260°

24.3 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

QUALITY POOR

POLES DIRECT

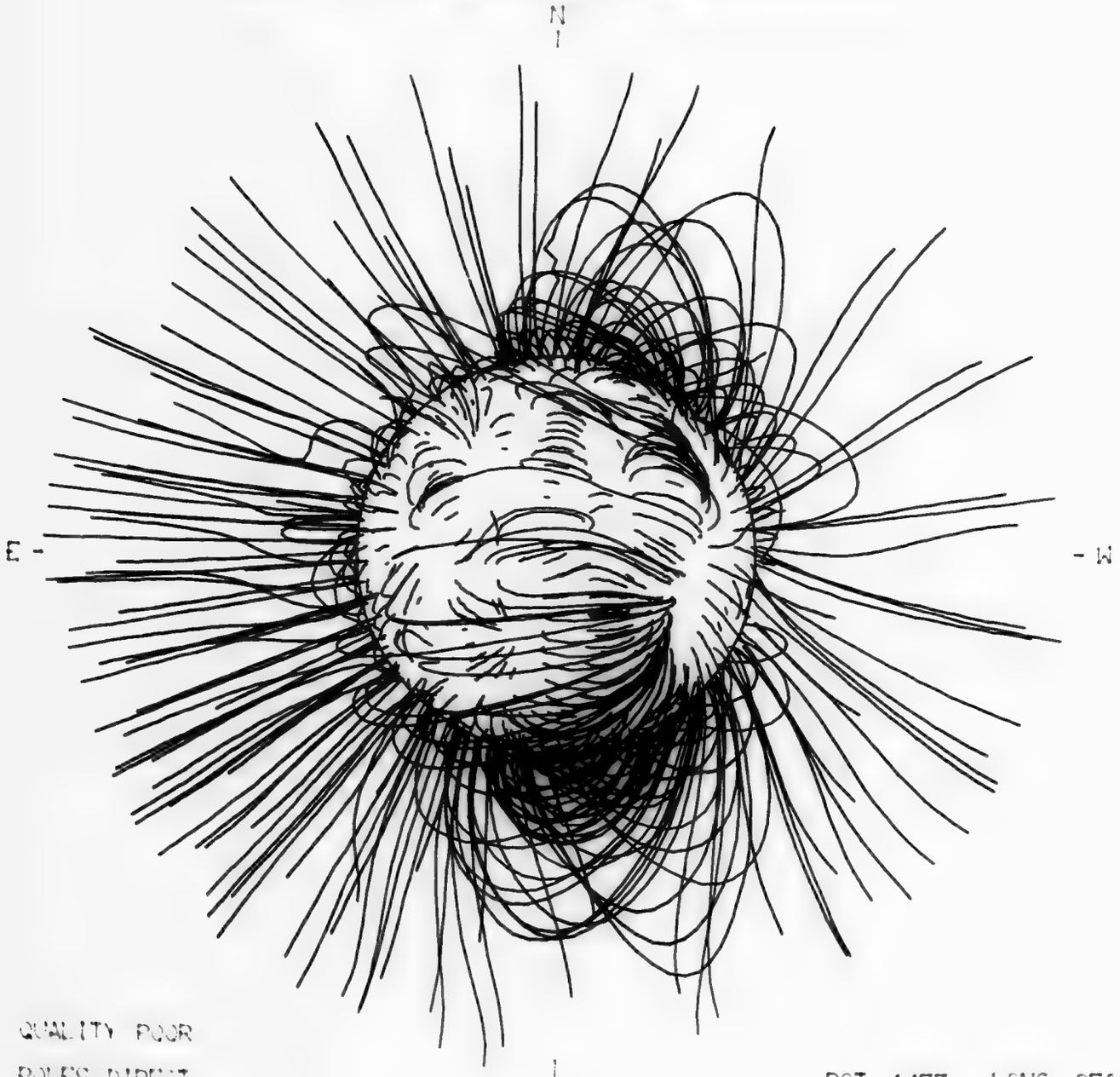
DATA WINDOW 1452.58

S

ROT. 1453 LONG. 250°

24.3 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.58

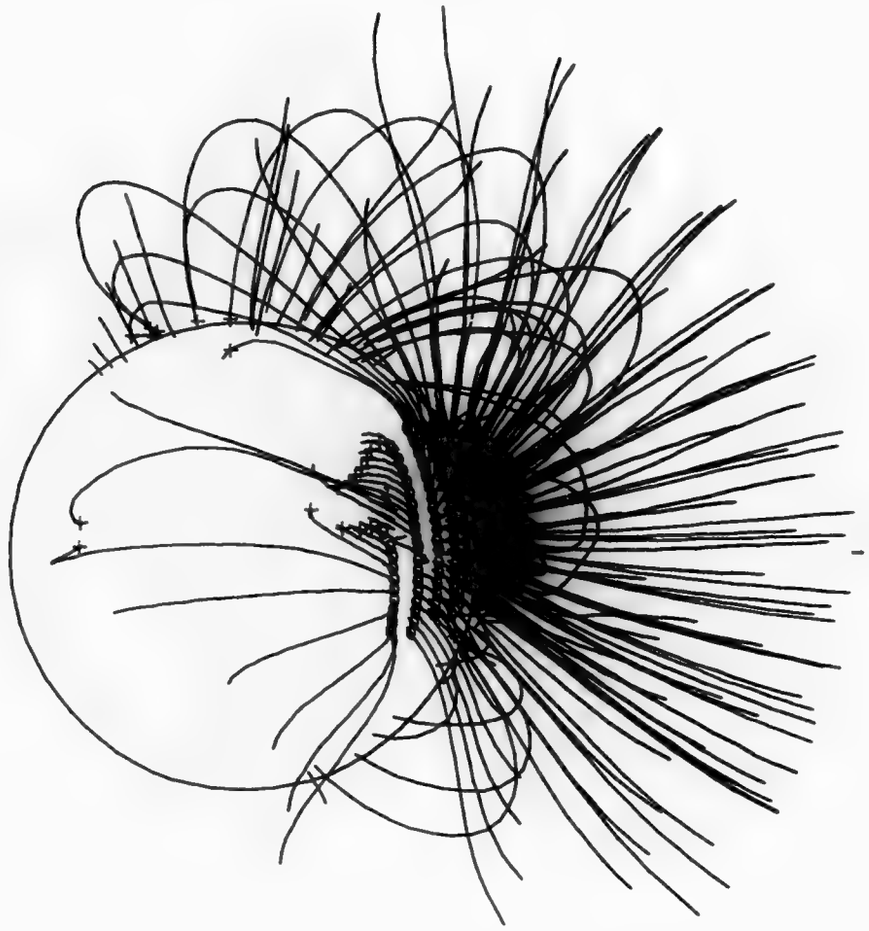
ROT. 1453 LONG. 250°

25.1 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

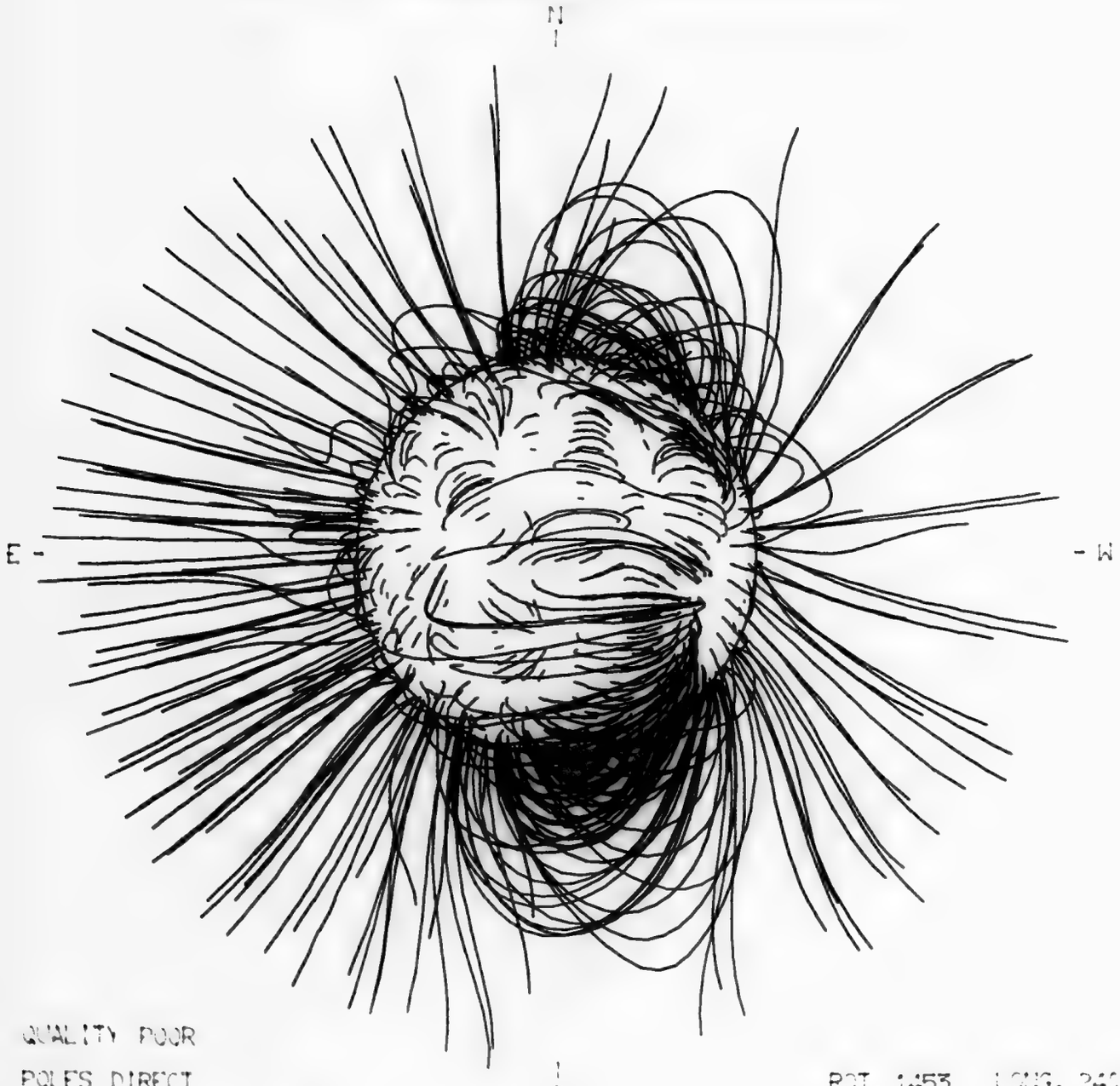
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 250°

25.1 APR 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.52,.58

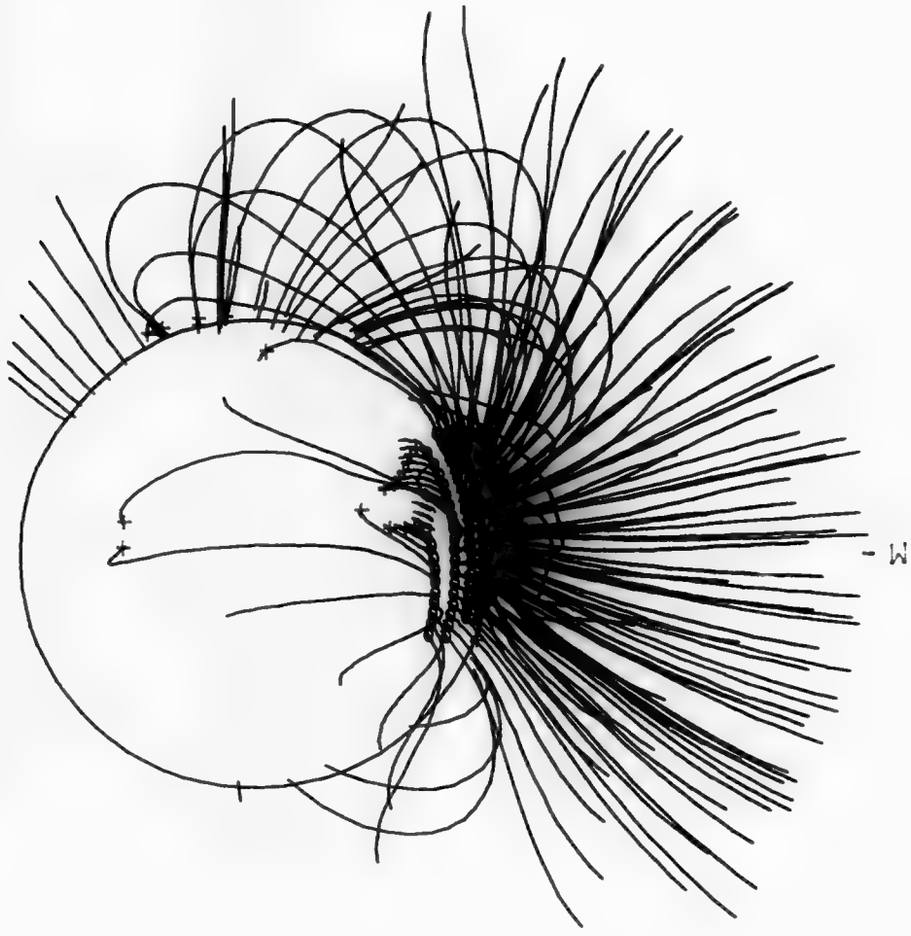
ROT. 1453 LONG. 240°

25.8 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

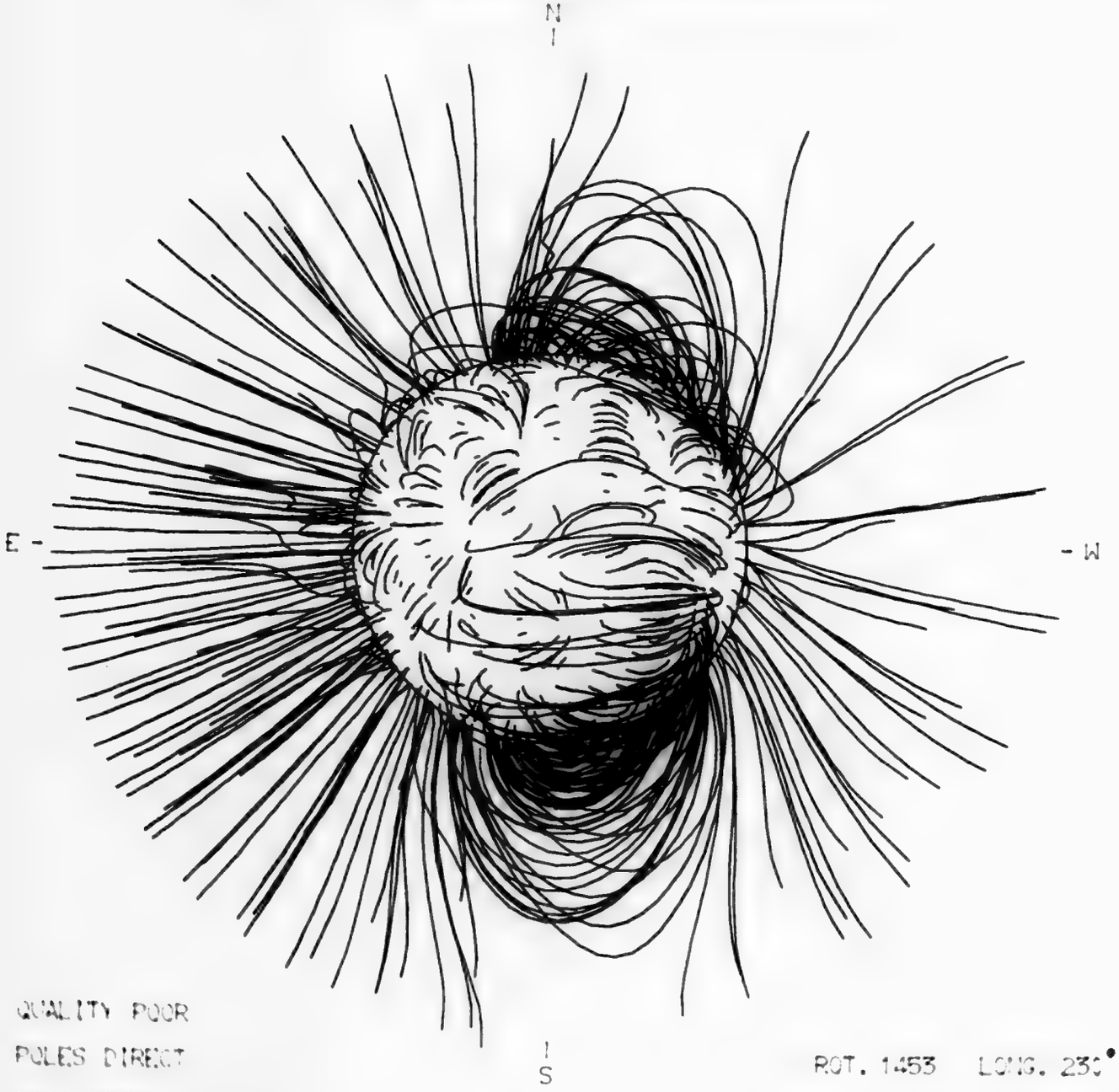
POLES DIRECT

DATA WINDOW 1.5R2.5R

ROT. 1453 LONG. 240°

25.8 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.58

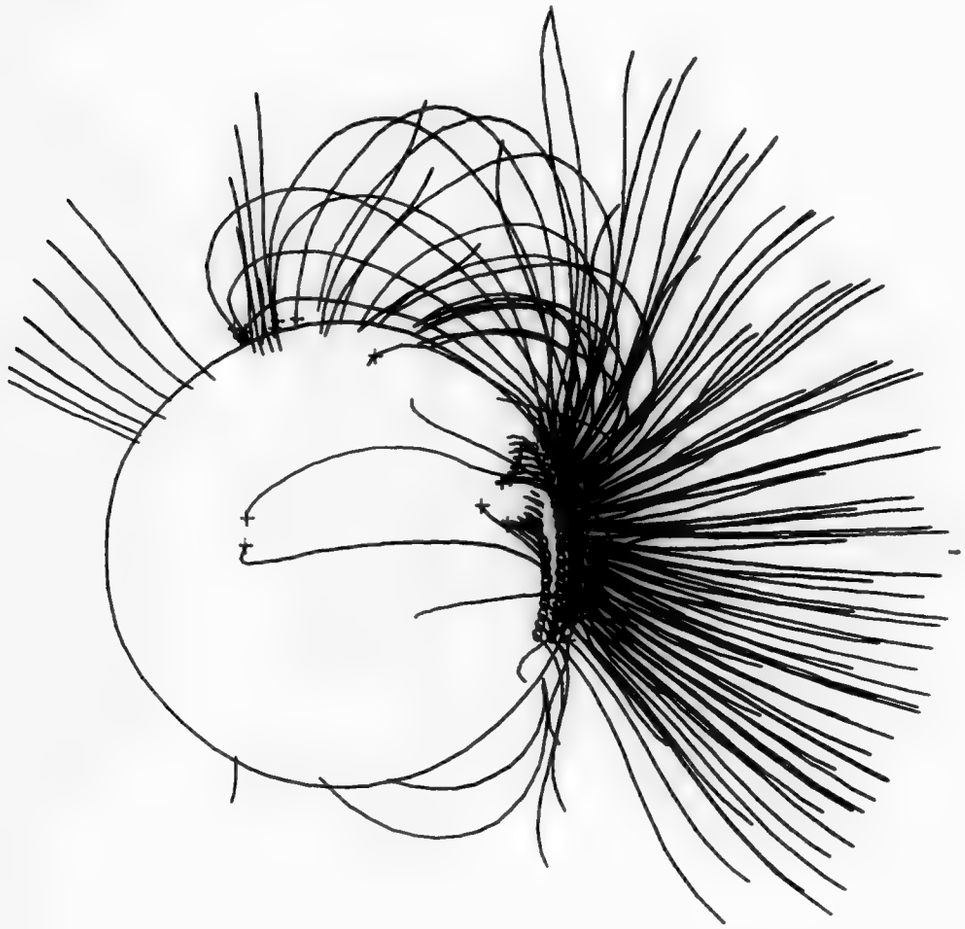
ROT. 1453 LONG. 230°

26.6 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

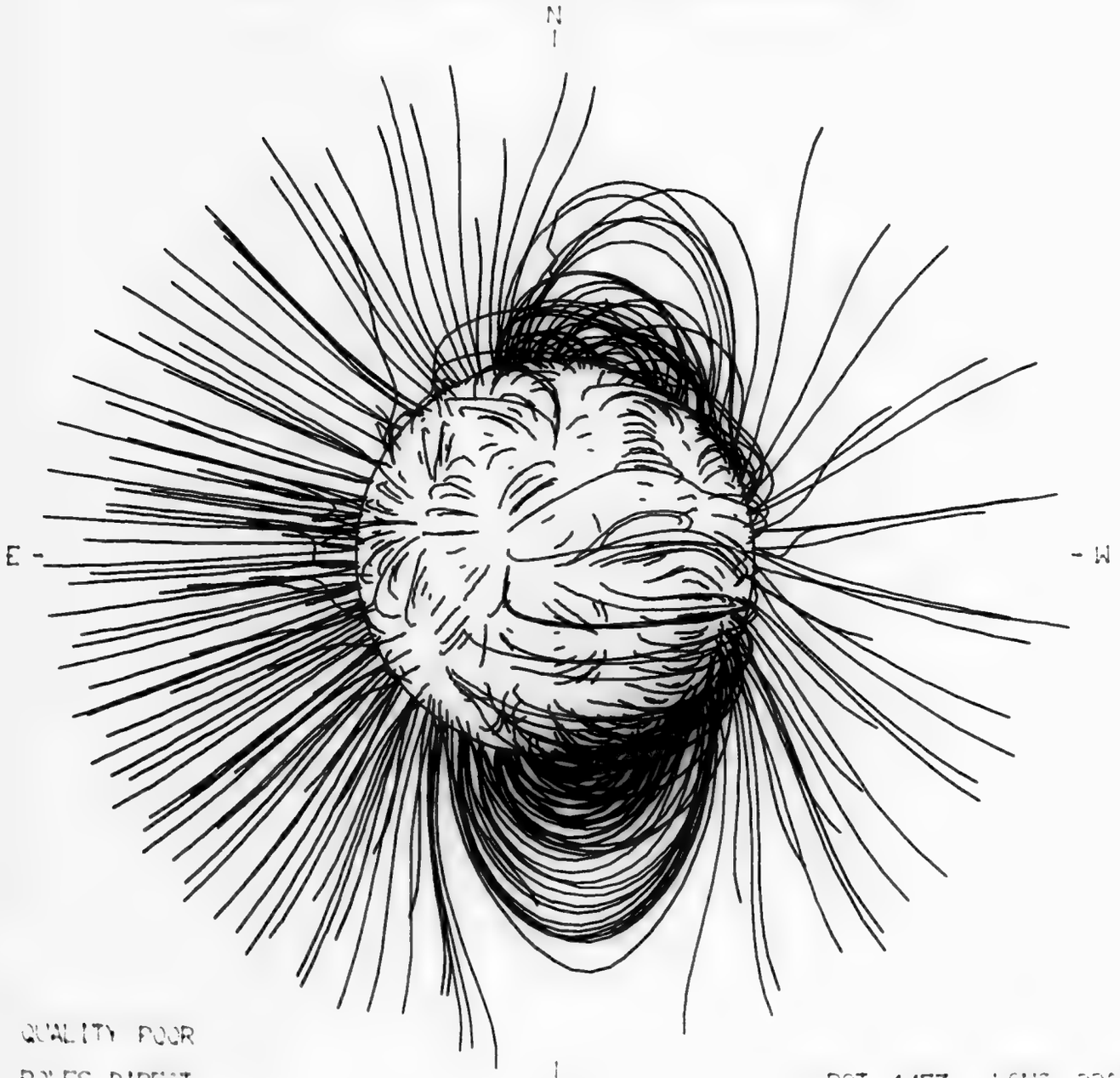
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 23°

26.6 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1352.58

ROT. 1453 LONG. 220°

27.4 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

QUALITY POOR

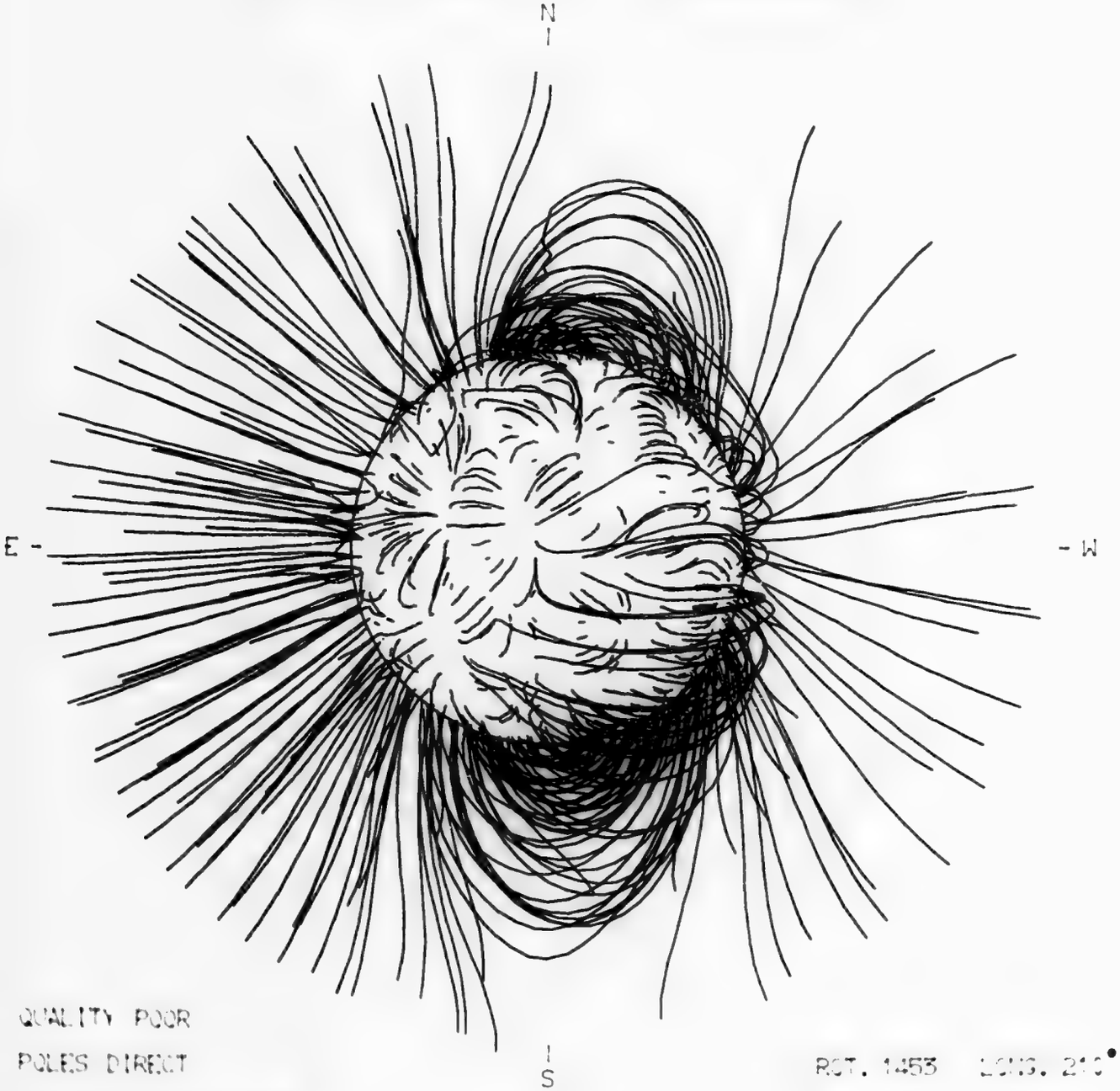
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 220°

27.4 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

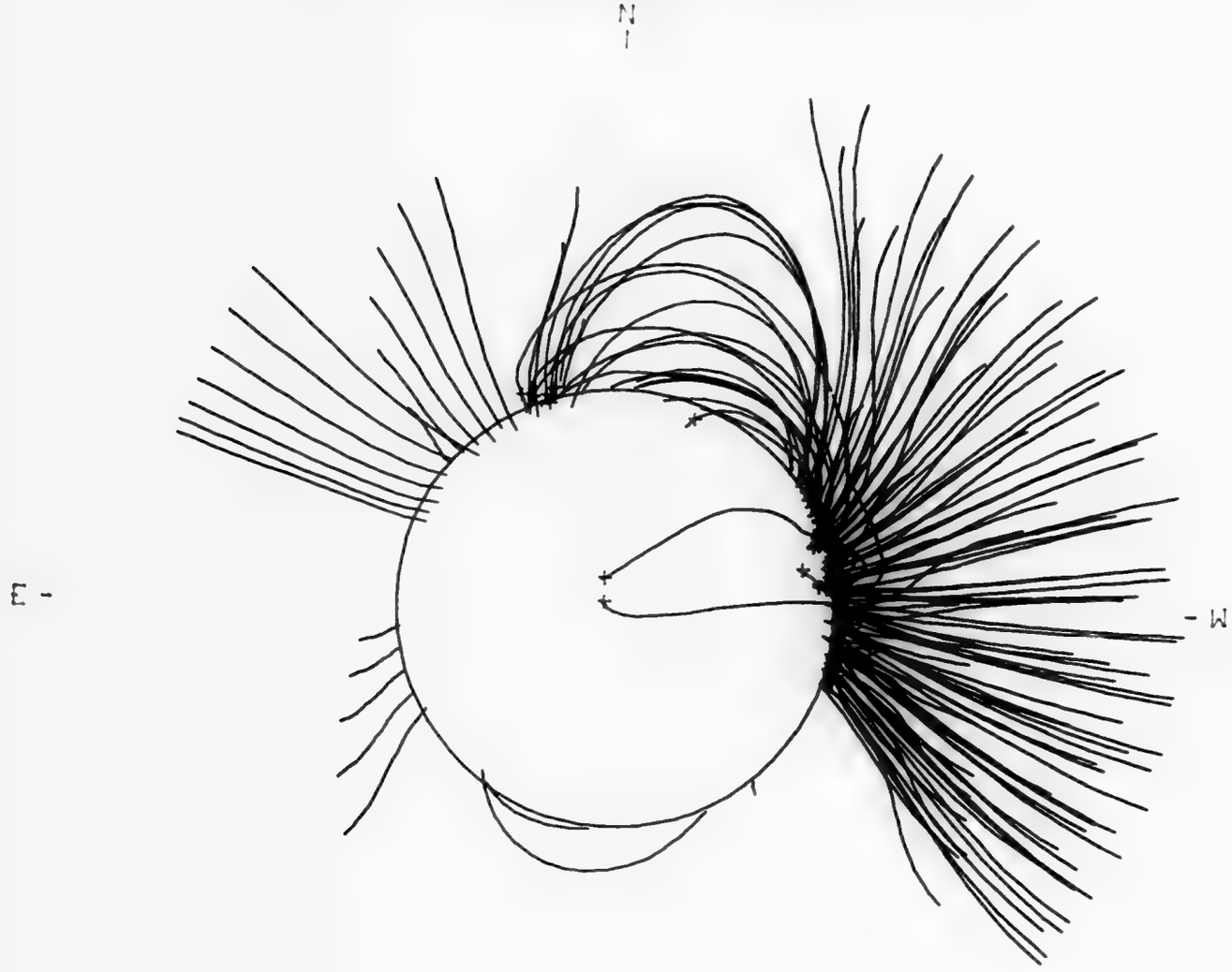
POLES DIRECT

DATA WINDOW 1352.58

ROT. 1453 LONG. 210°

28.1 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

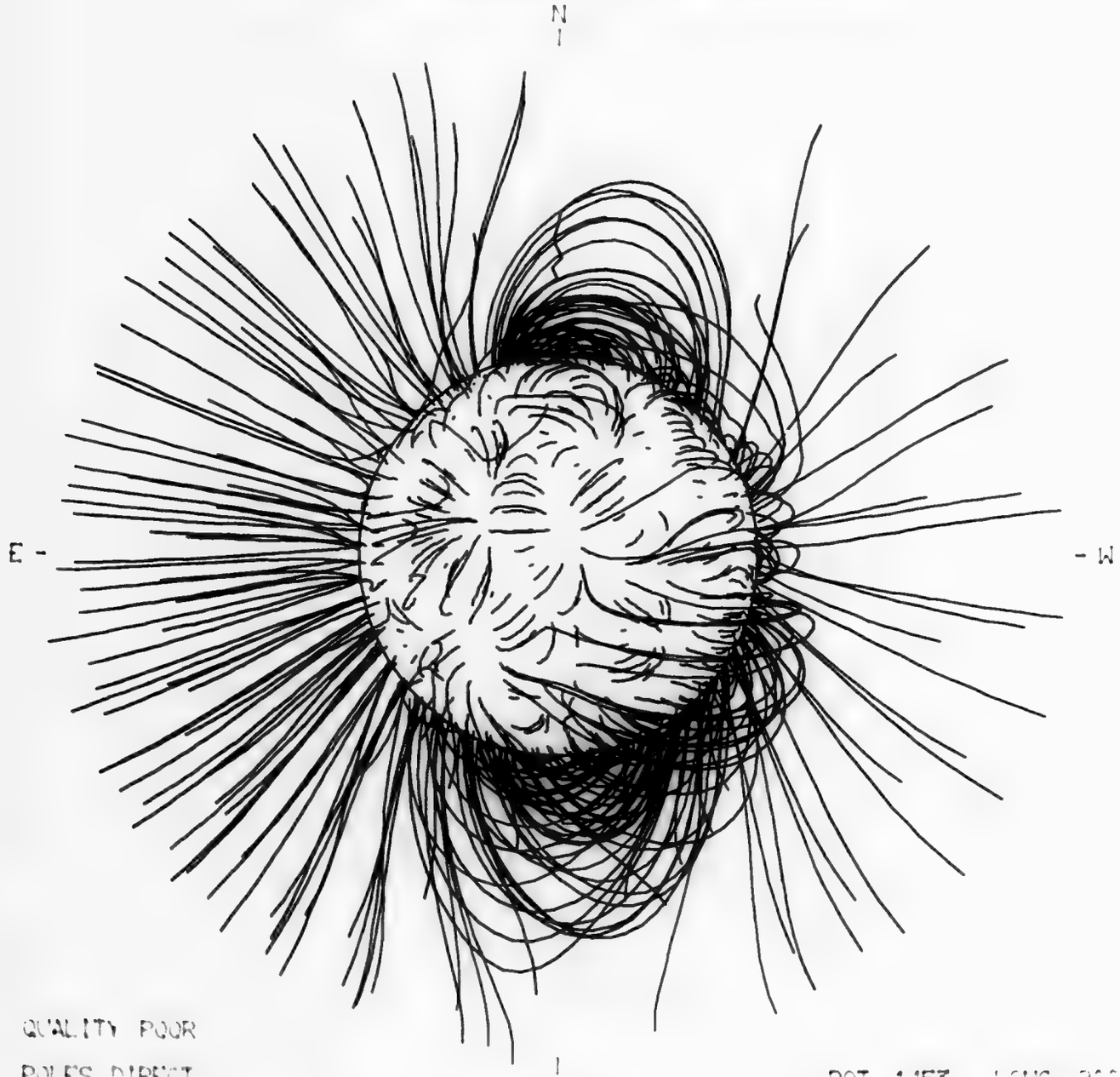
POLES DIRECT

DATA WINDOW 1.452.58

ROT. 1453 LONG. 210°

28.1 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

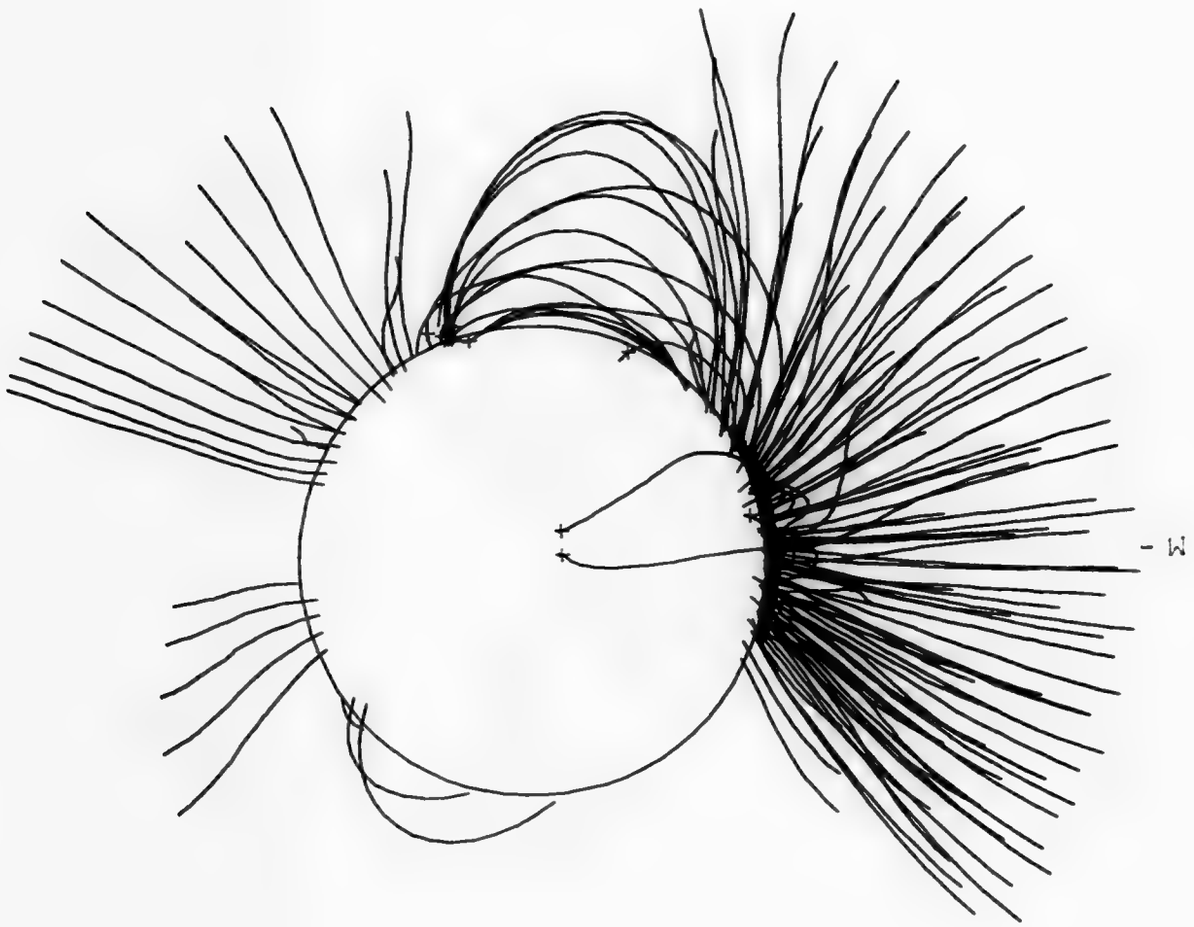
DATA WINDOW 1452.58

ROT. 1453 LONG. 200°

28.9 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



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QUALITY POOR

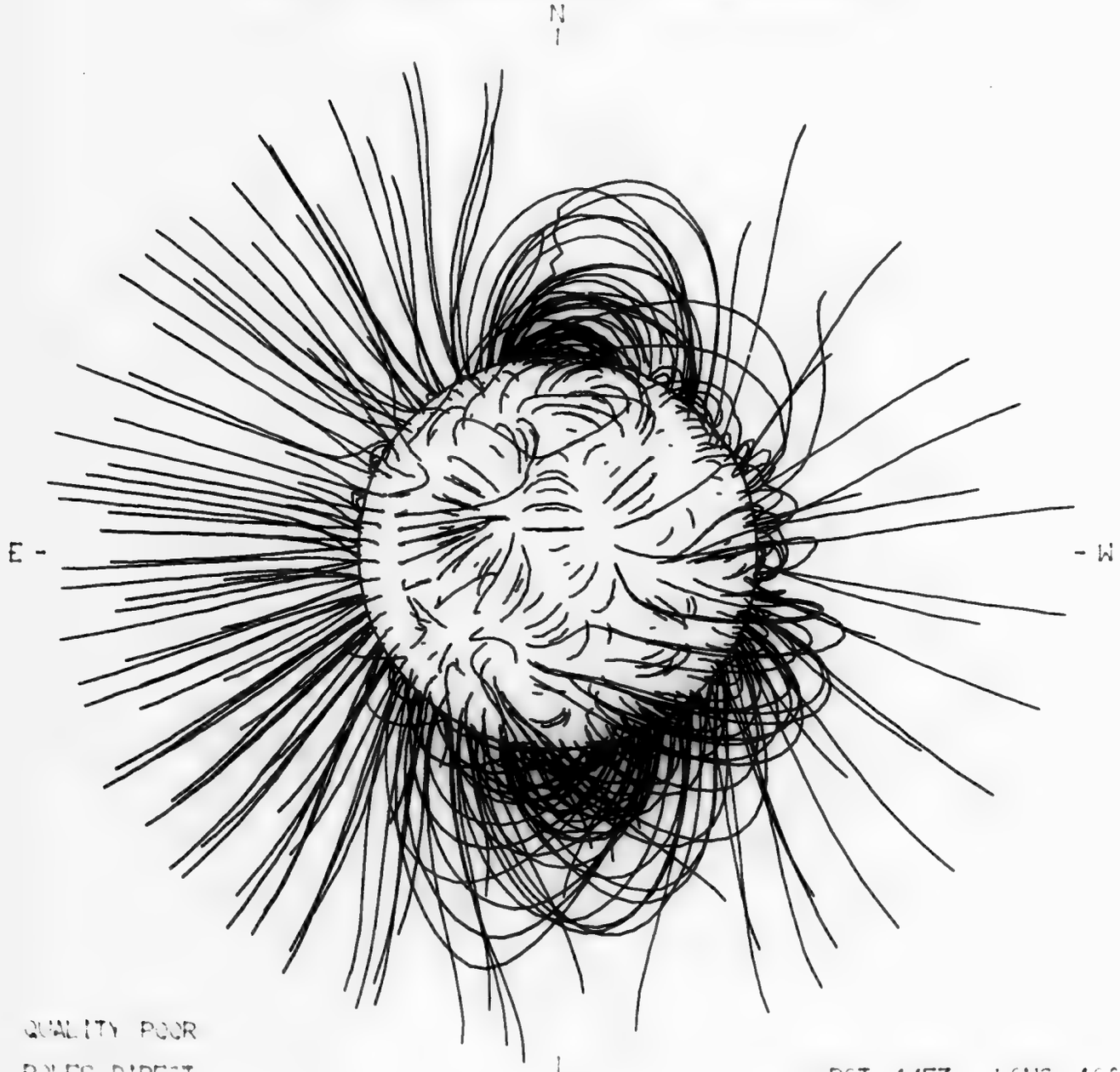
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 200°

28.9 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

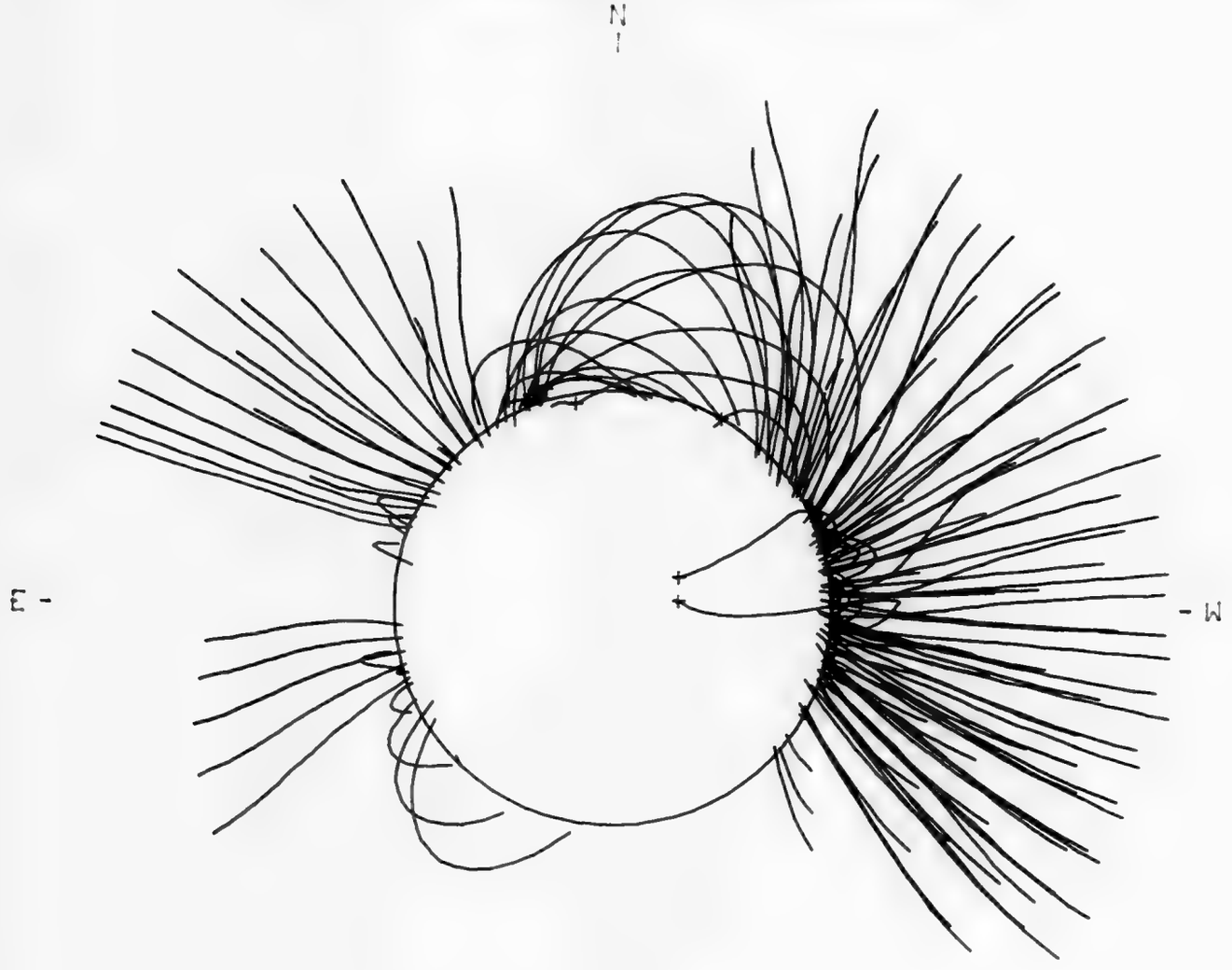
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 190°

29.6 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

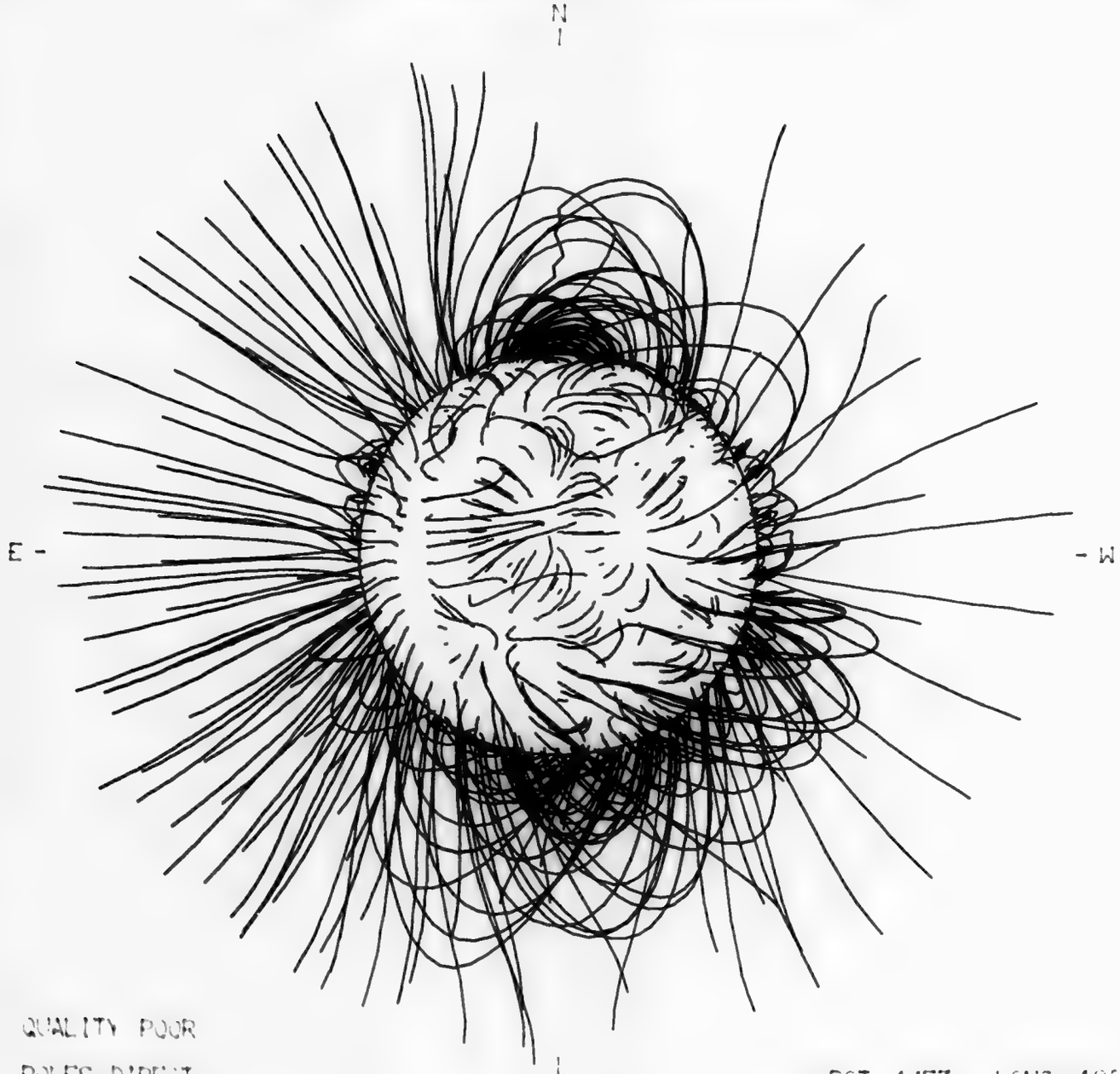
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 19[illegible]°

29.6 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

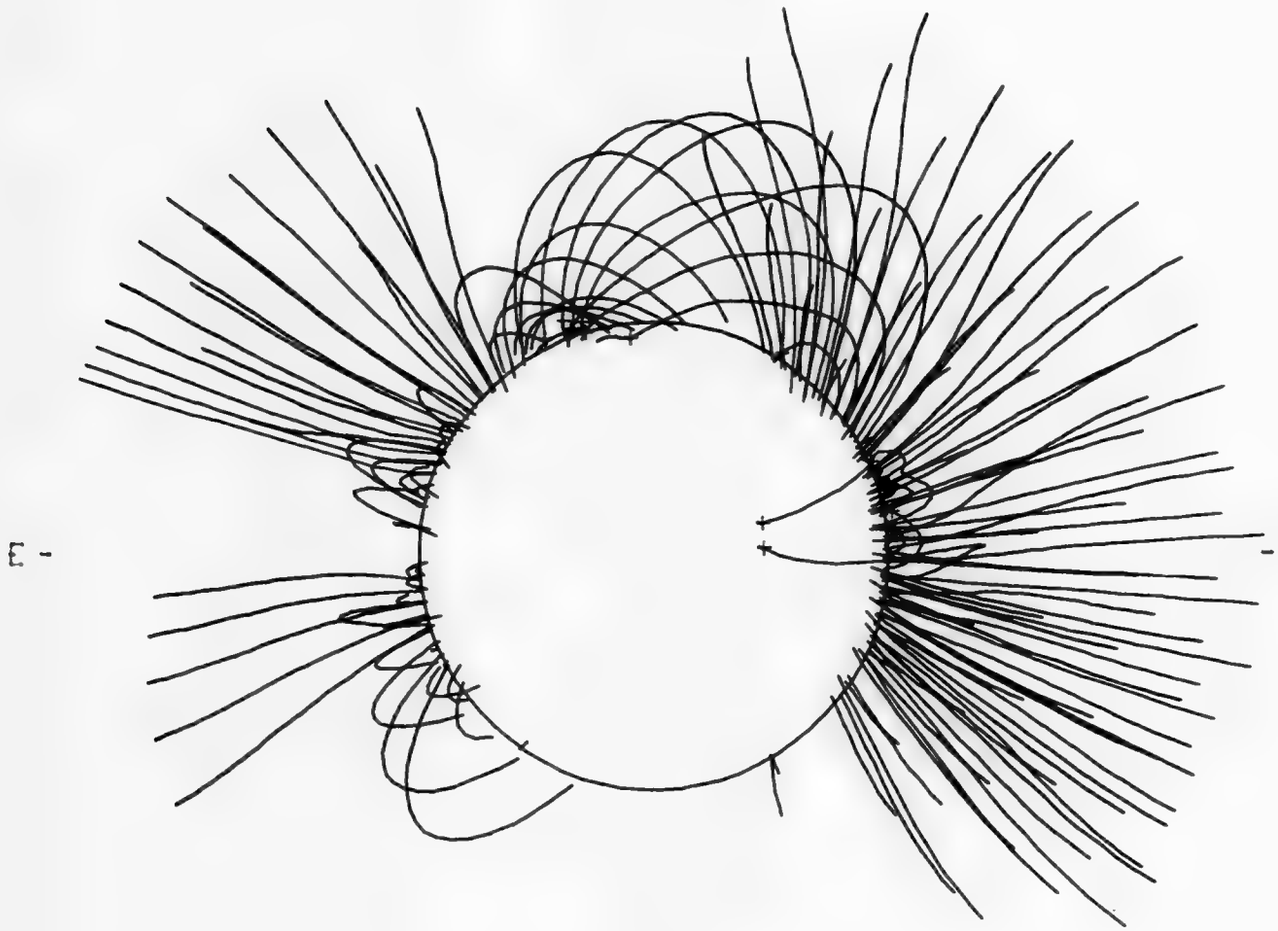
DATA WINDOW 1452.58

ROT. 1453 LONG. 180°

30.4 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



QUALITY POOR

POLES DIRECT

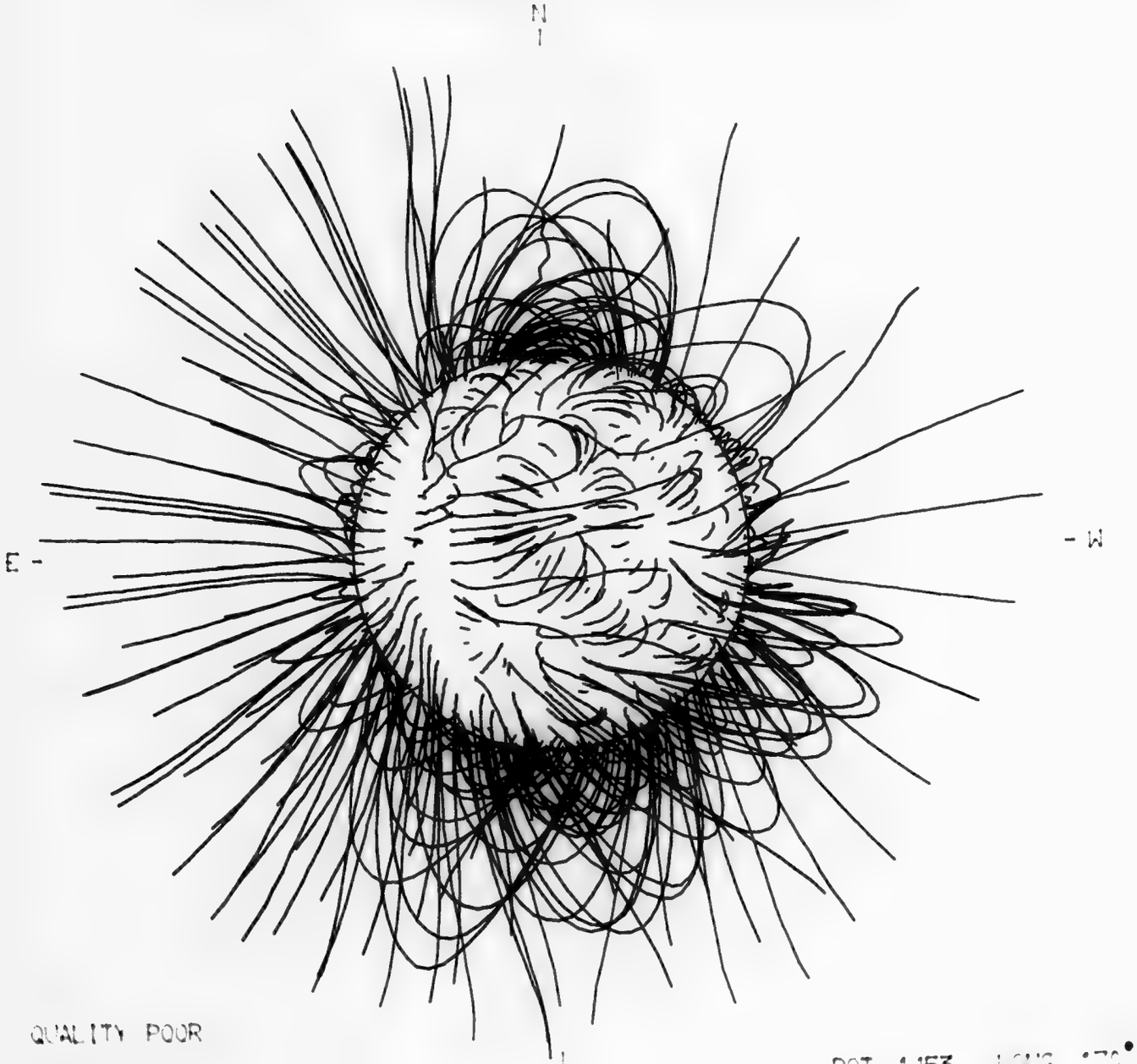
DATA WINDOW 1452.58

S

ROT. 1453 LONG. 180°

30.4 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 170°

1.1 MAY 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY POOR

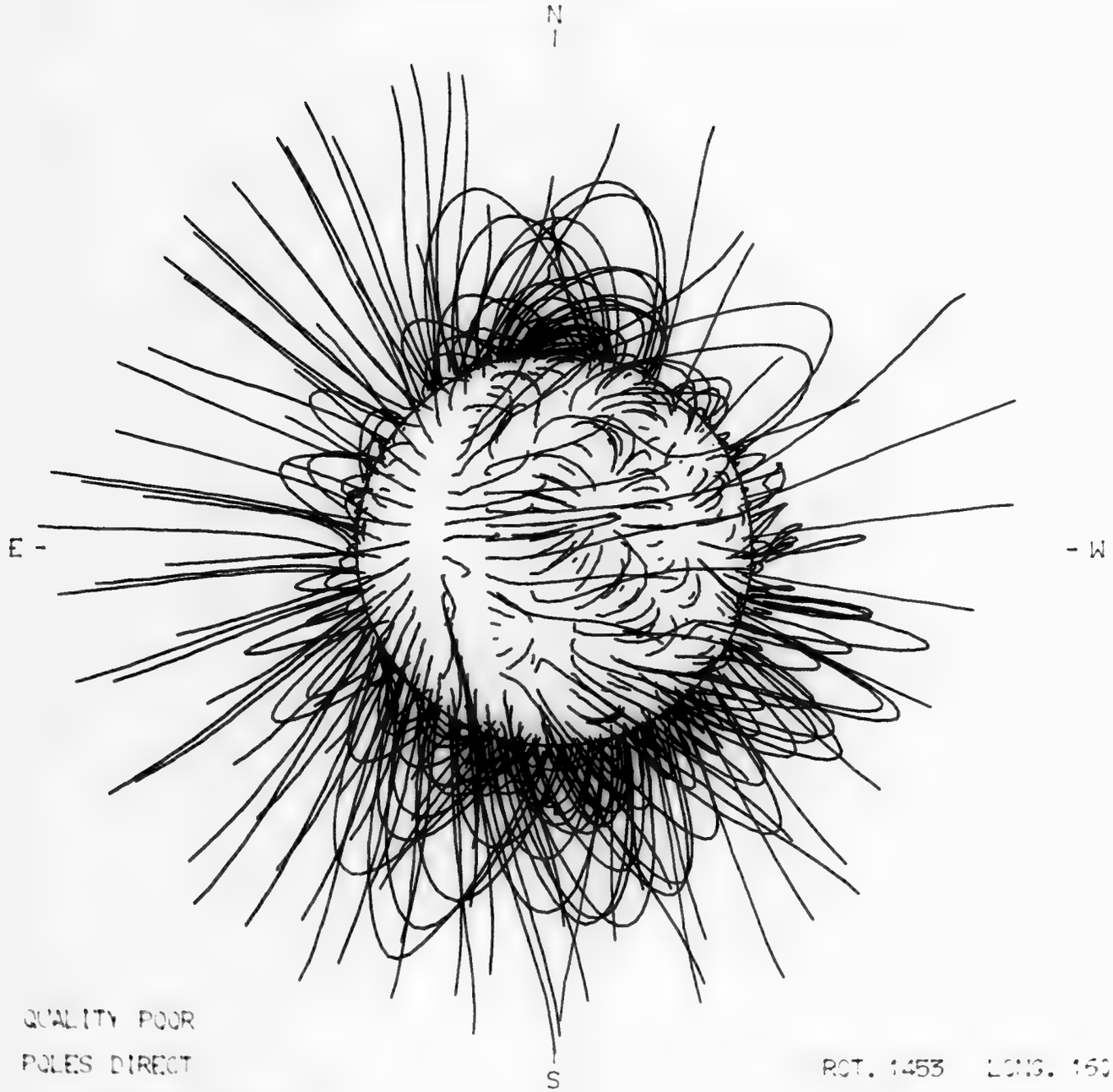
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 170°

1.1 MAY 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

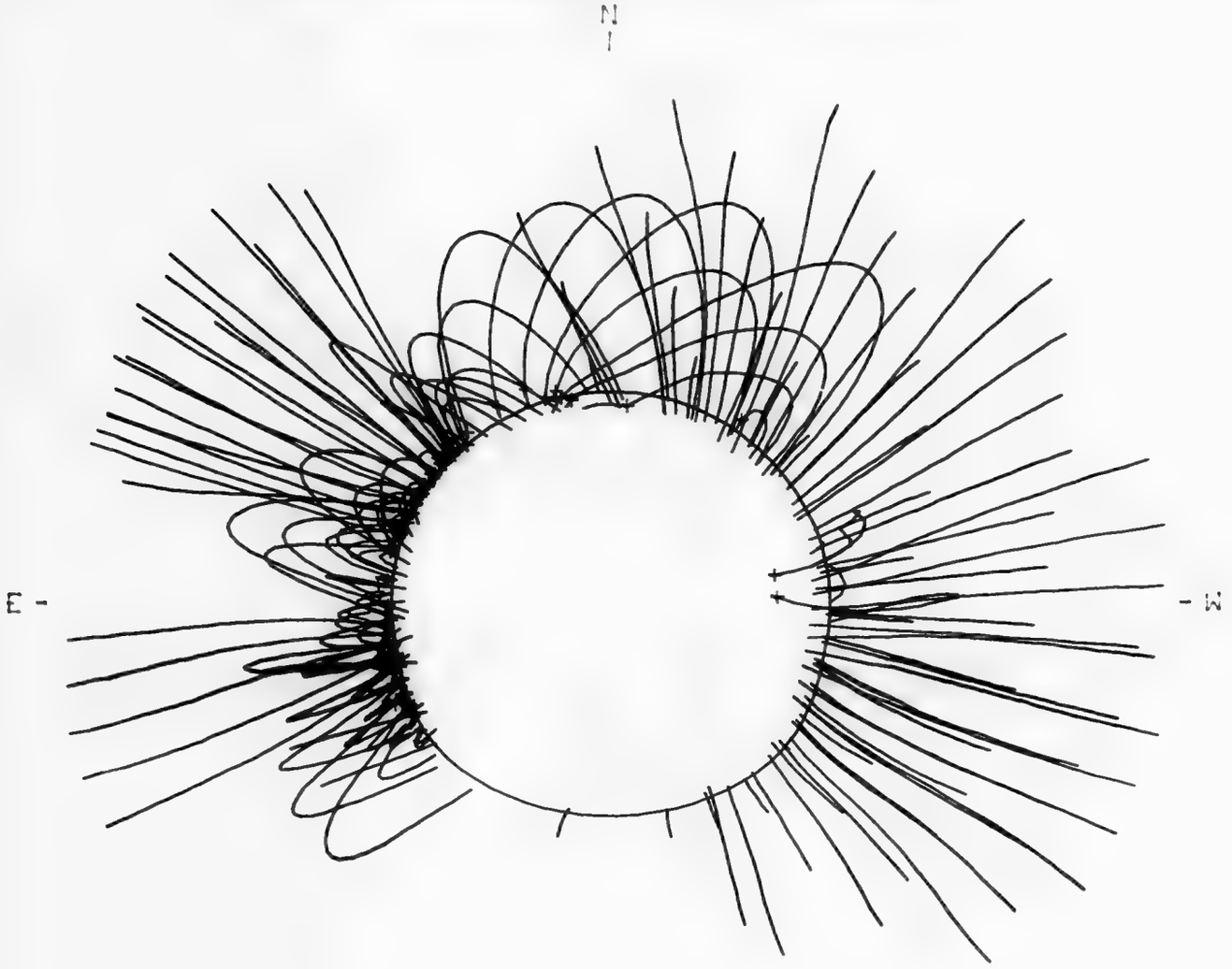
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 160°

19 MAY 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 160°

19 MAY 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

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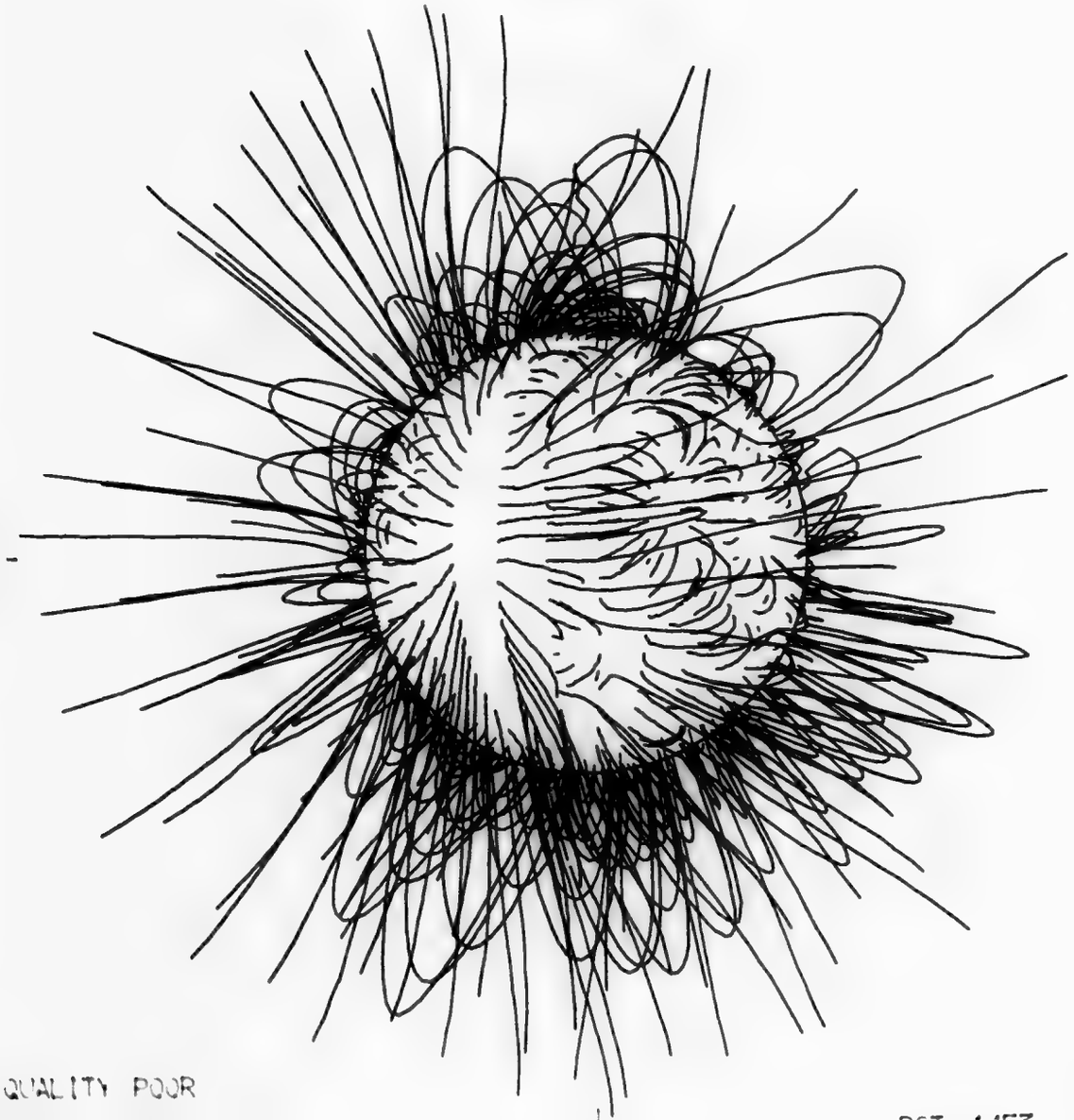
S



QUALITY POOR

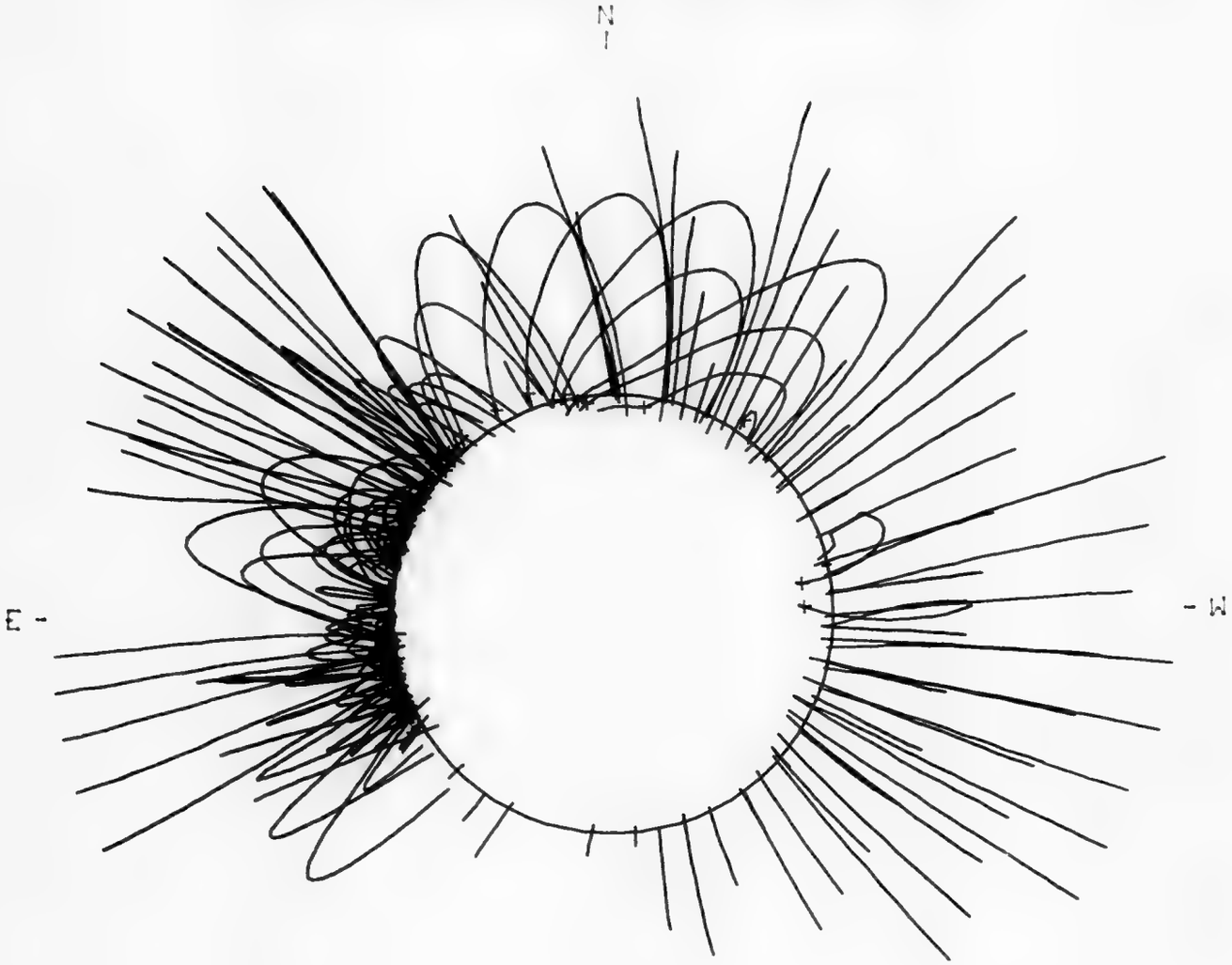
POLES DIRECT

DATA WINDOW 1452.58

ROT. 1453 LONG. 150°

27 MAY 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

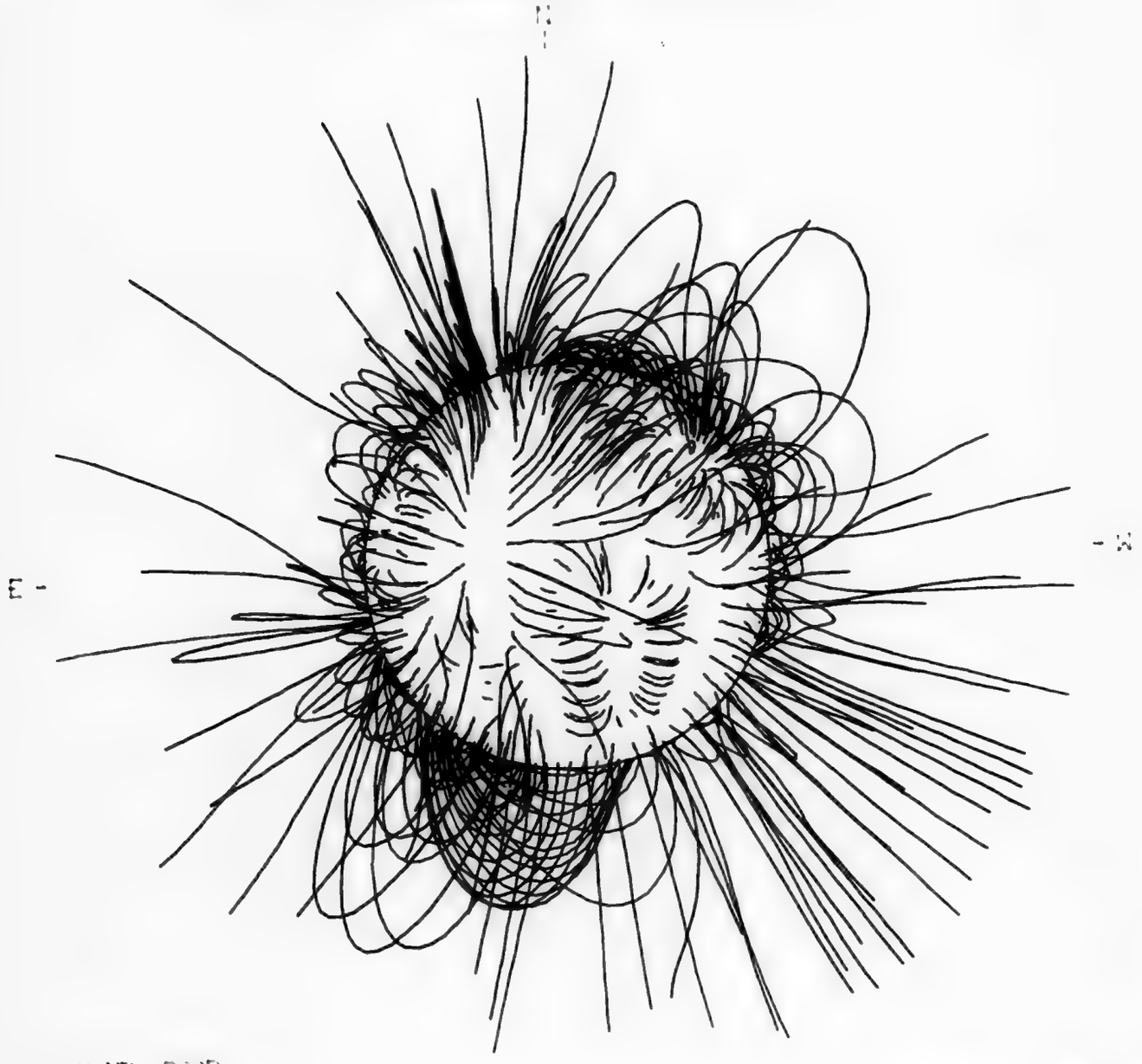
DATA WINDOW 1452.58

ROT. 1453 LONG. 150°

27 MAY 1952

NO OBSERVATIONS
ROT. 1453 LONG. 140--ROT. 1454 LONG. 100
27 MAY 1962-- 27 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

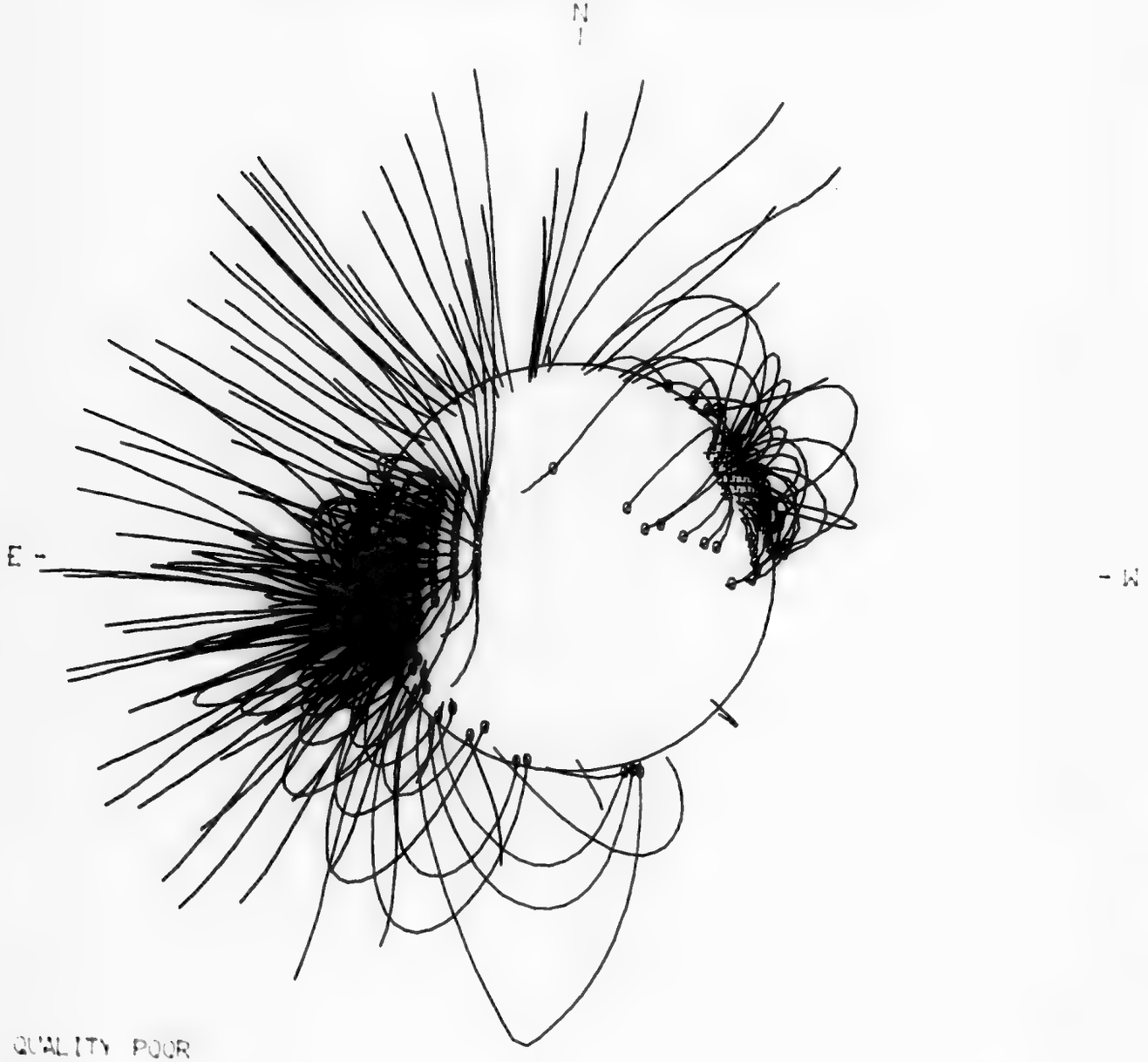
POLES DIRECT

DATA WINDOW 1454.7?2

ROT. 1454 LONG. 90°

3.4 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

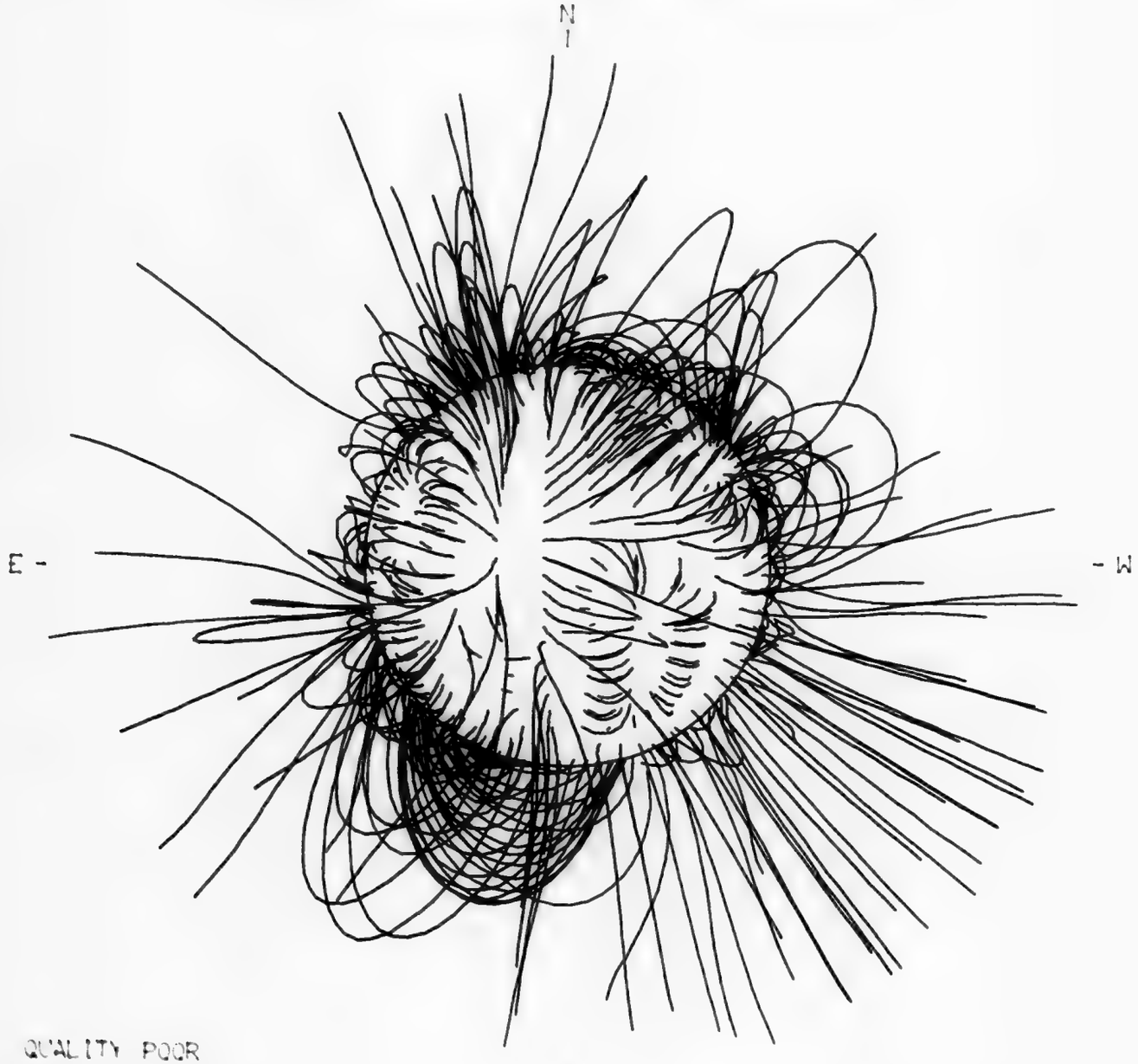
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1454 LONG. 90°

3.4 AU 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

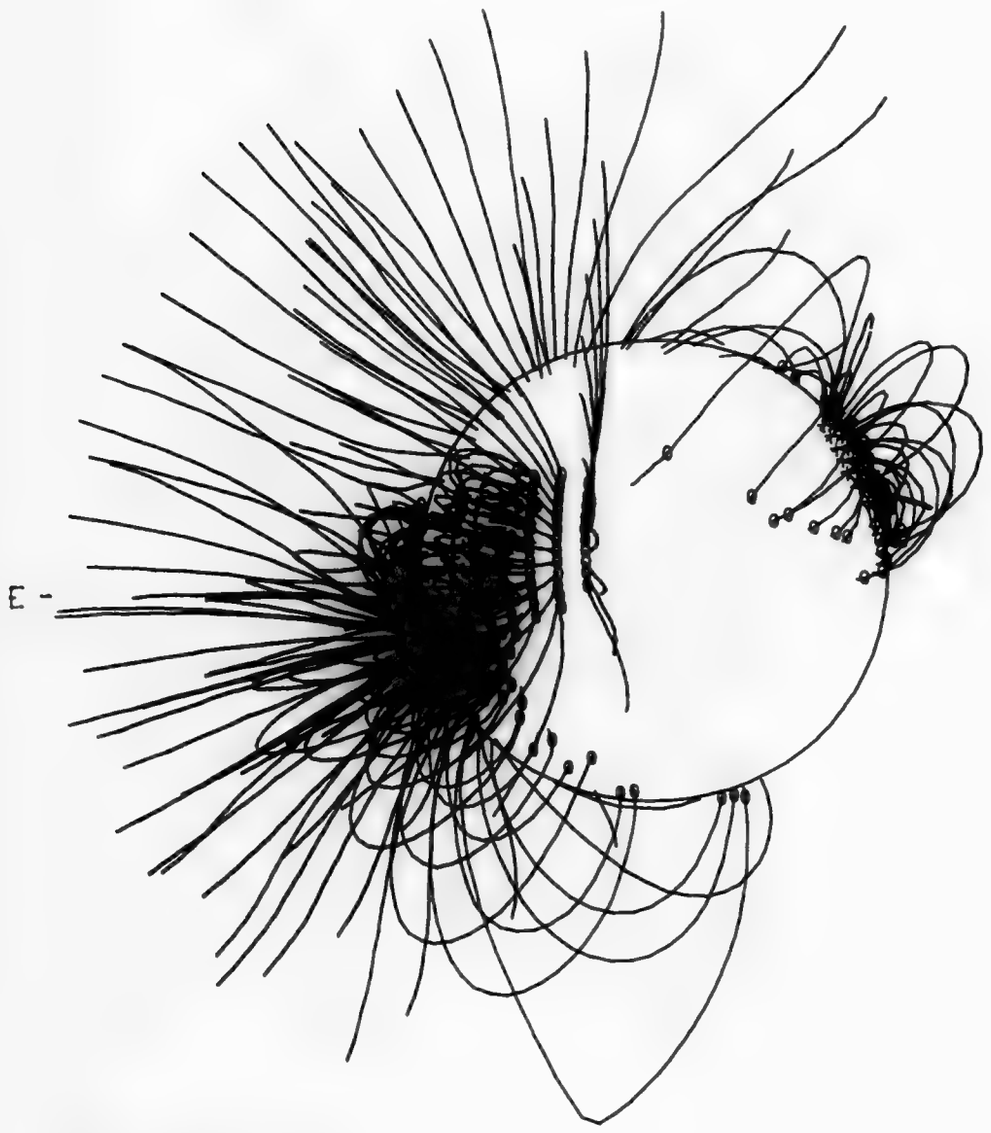
DATA WINDOW 1454.72

ROT. 1454 LONG. 80°

4.1 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



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QUALITY POOR

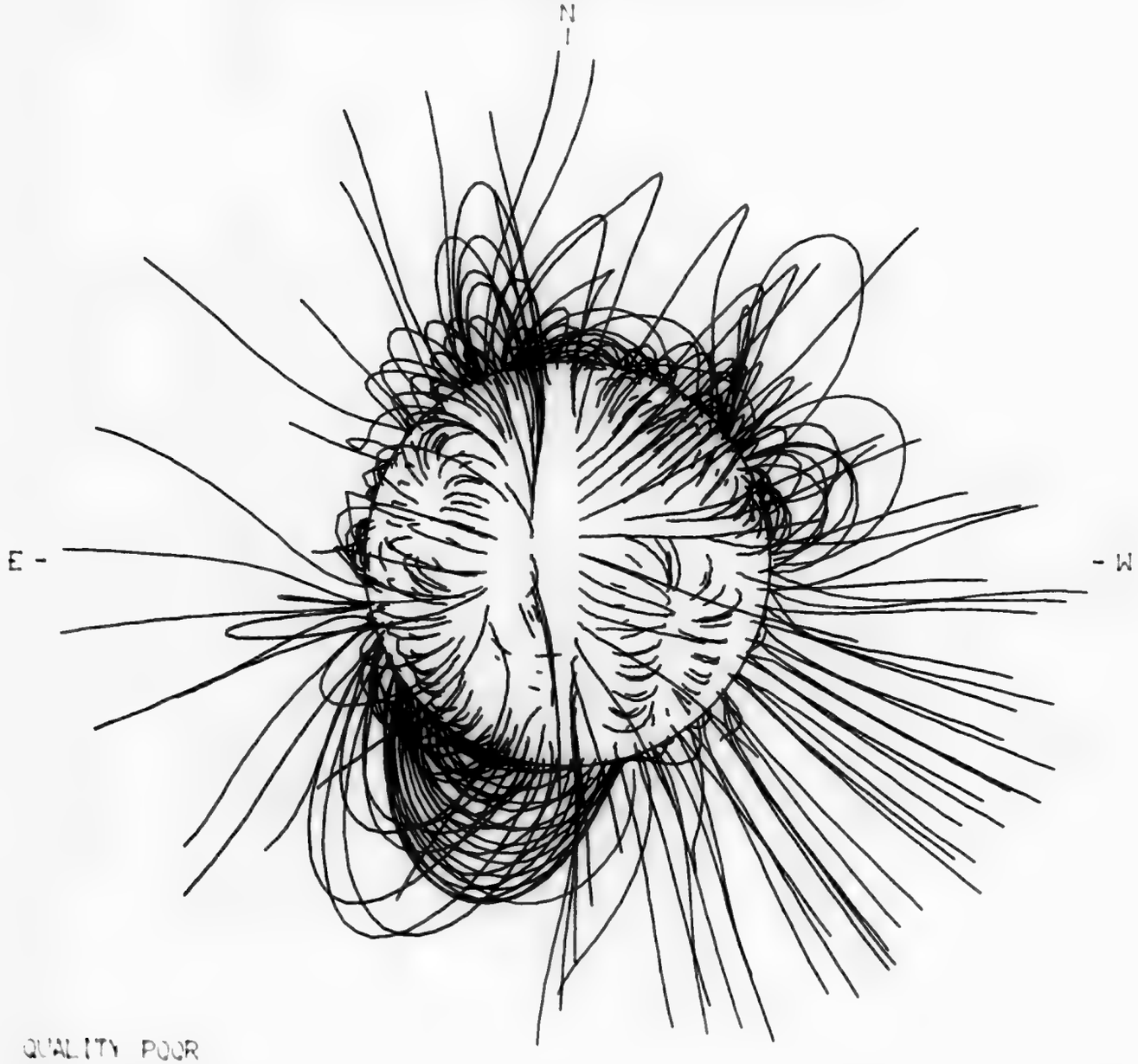
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1454 LONG. 80°

4.1 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

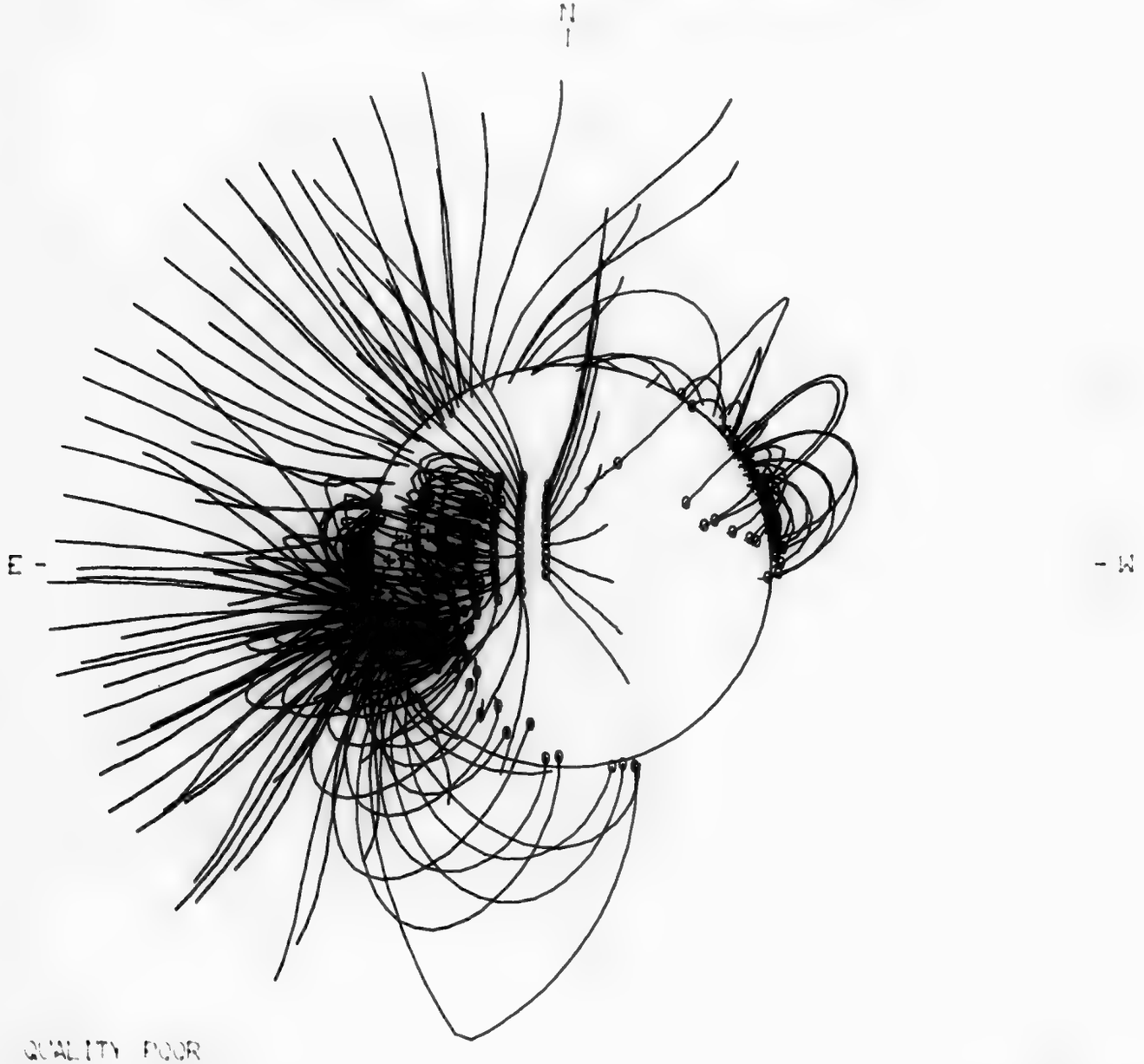
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1454 LONG. 70°

4.9 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

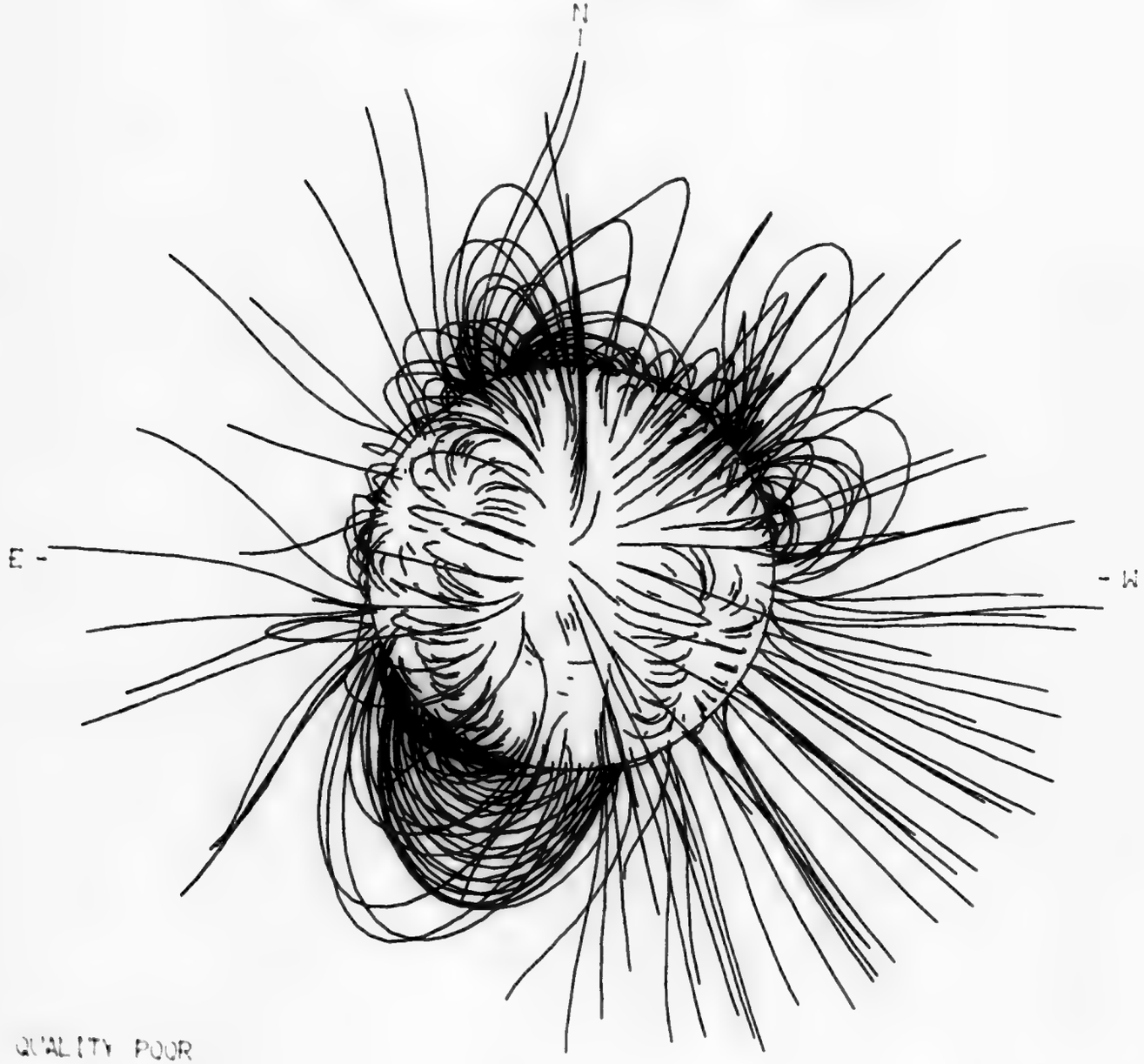
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1454 LONG. 70°

4.9 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1454.72

ROT. 1454 LONG. 61°

5.6 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

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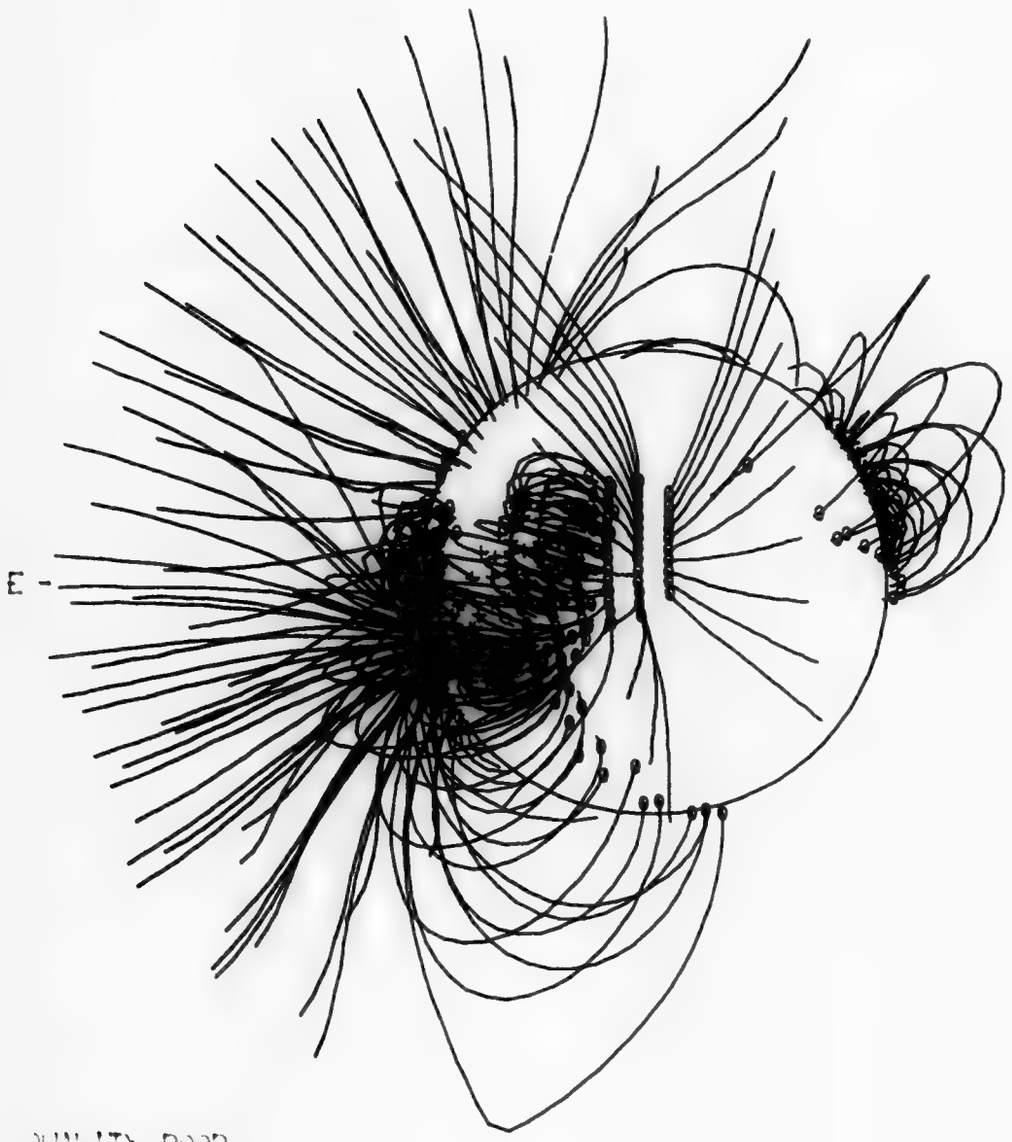
S



QUALITY POOR

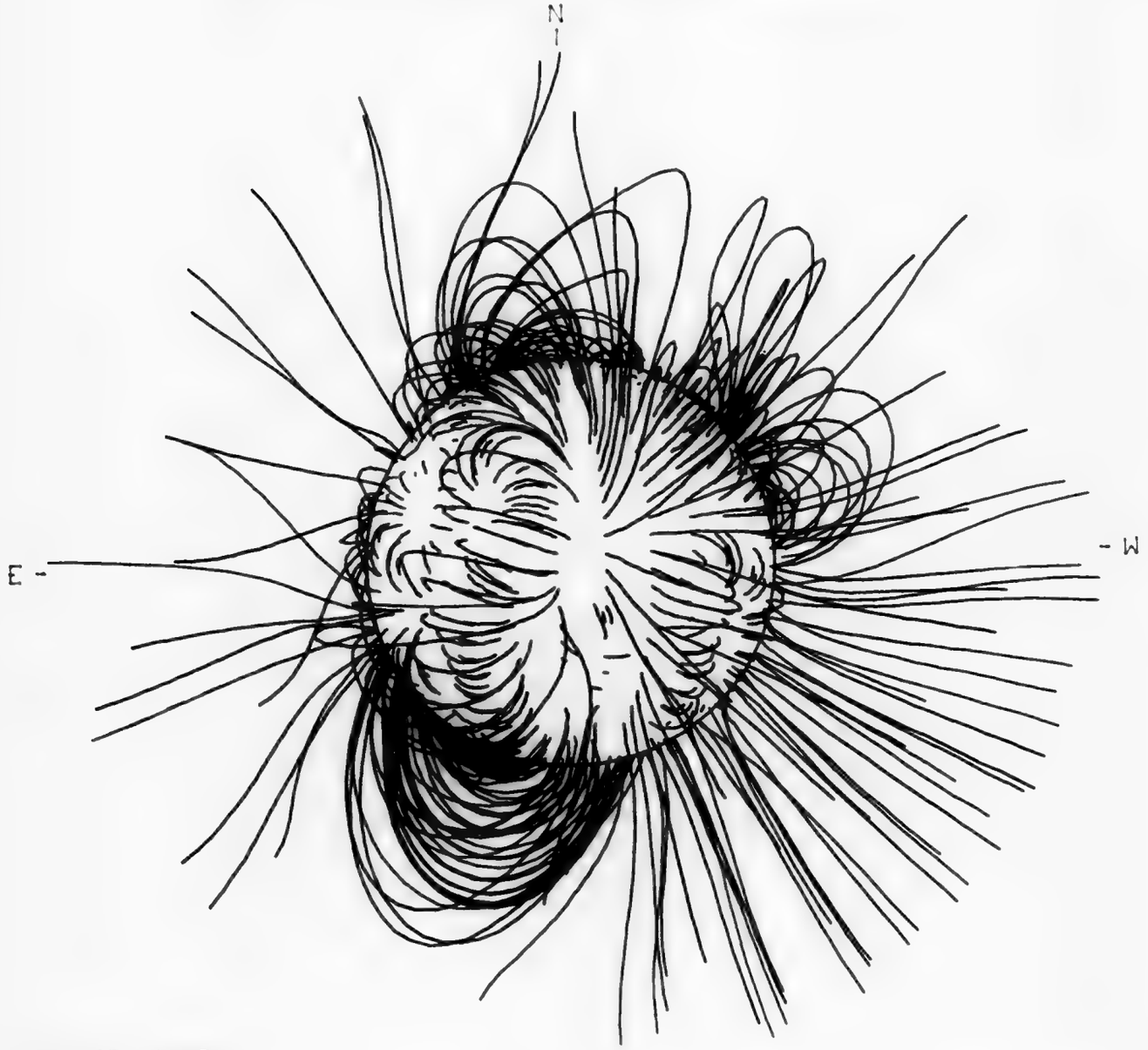
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1454 LONG. 60°

5.6 JUN 1962

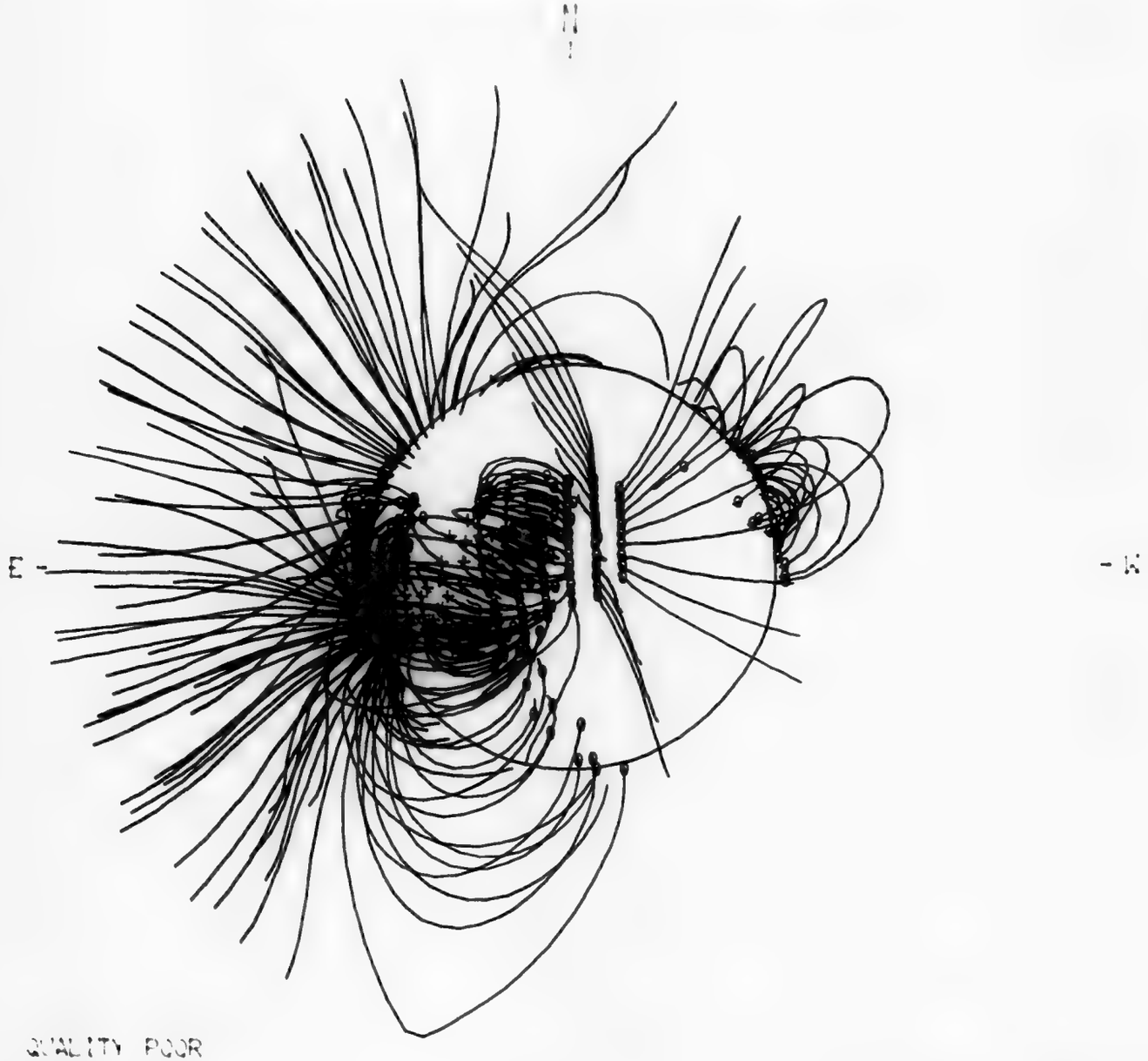
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1454.72

ROT. 1454 LONG. 50°
6.4 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

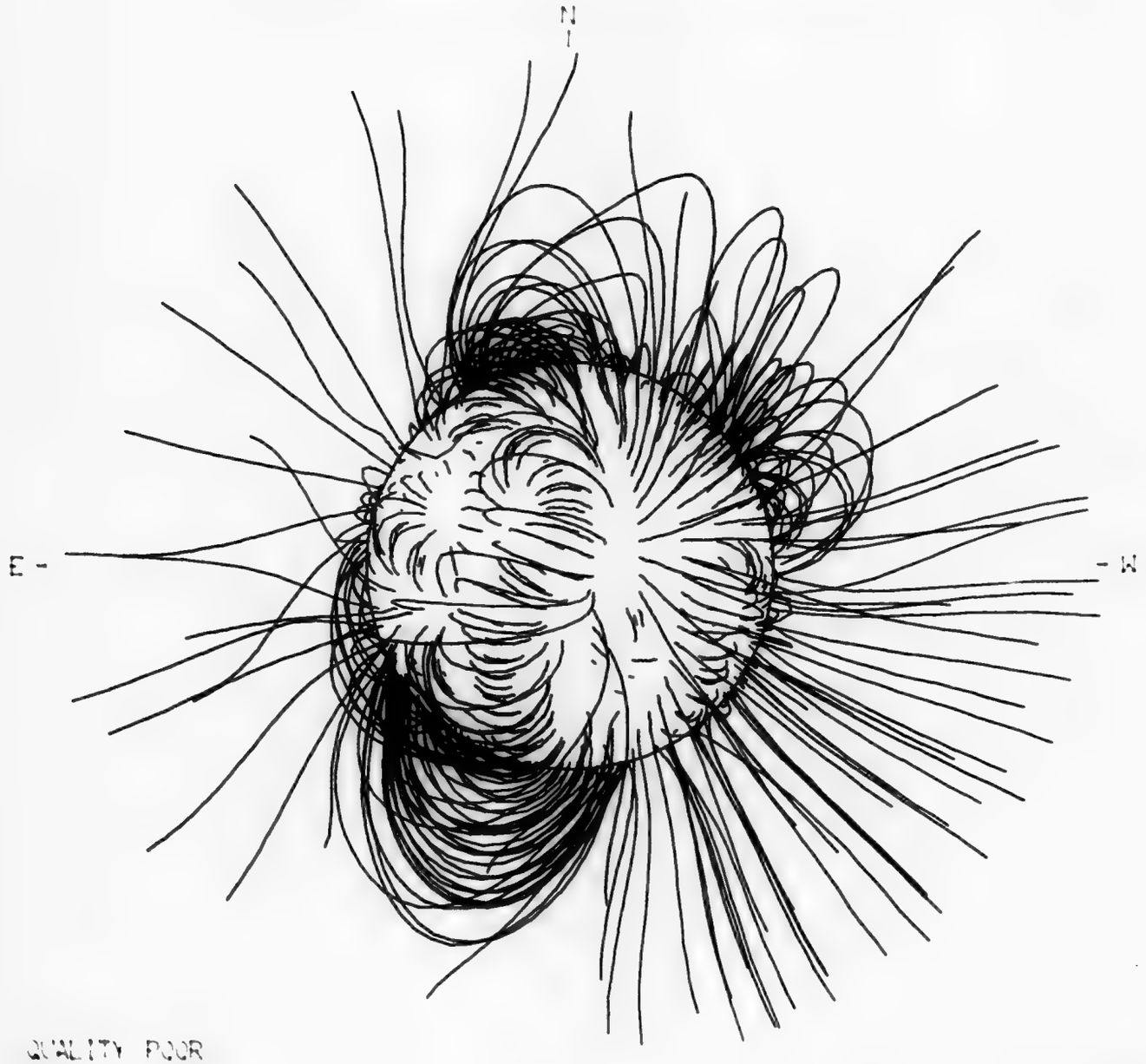
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1454 LONG. 50°

6.4 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1454.72

ROT. 1454 LONG. 40°

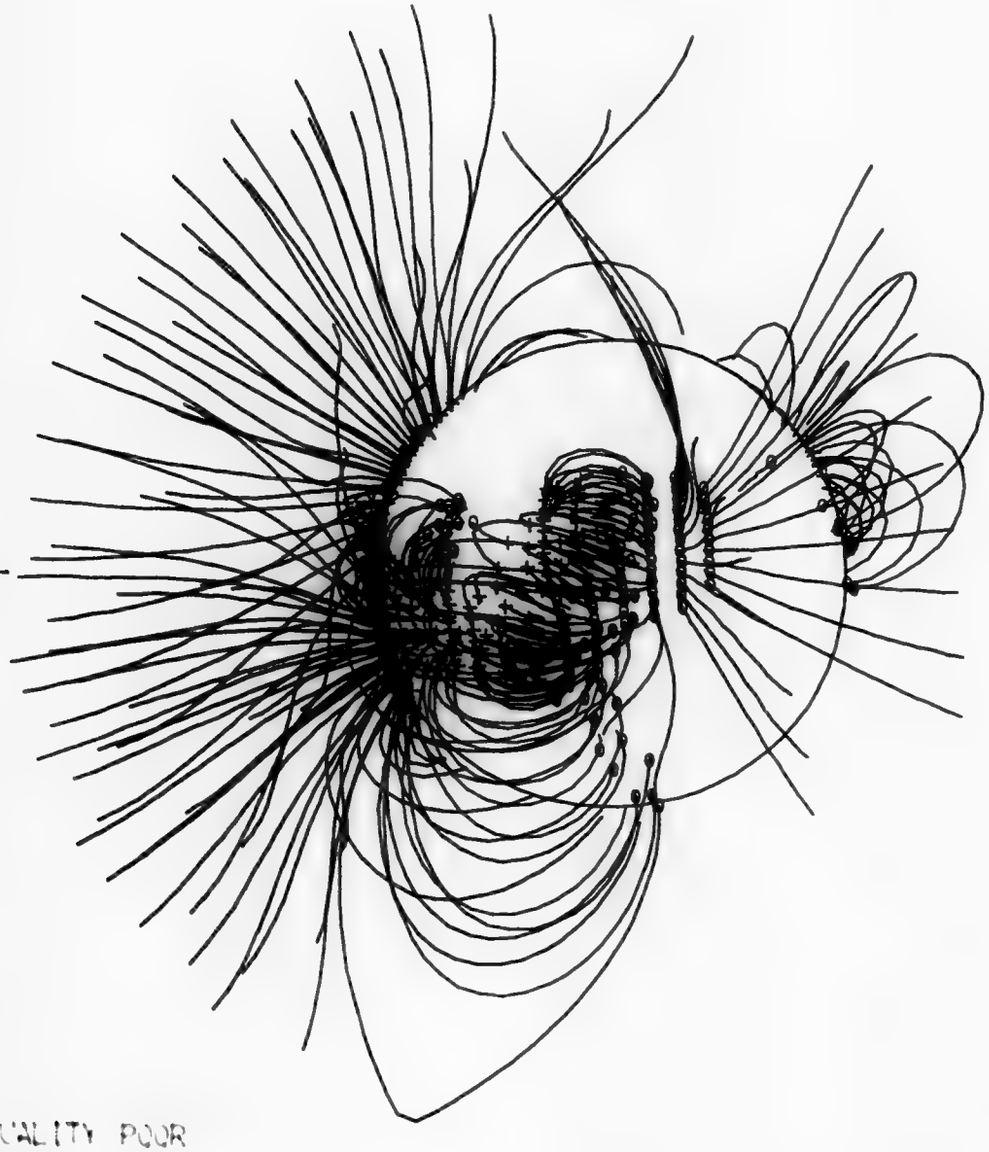
7.1 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E

W



S

QUALITY POOR

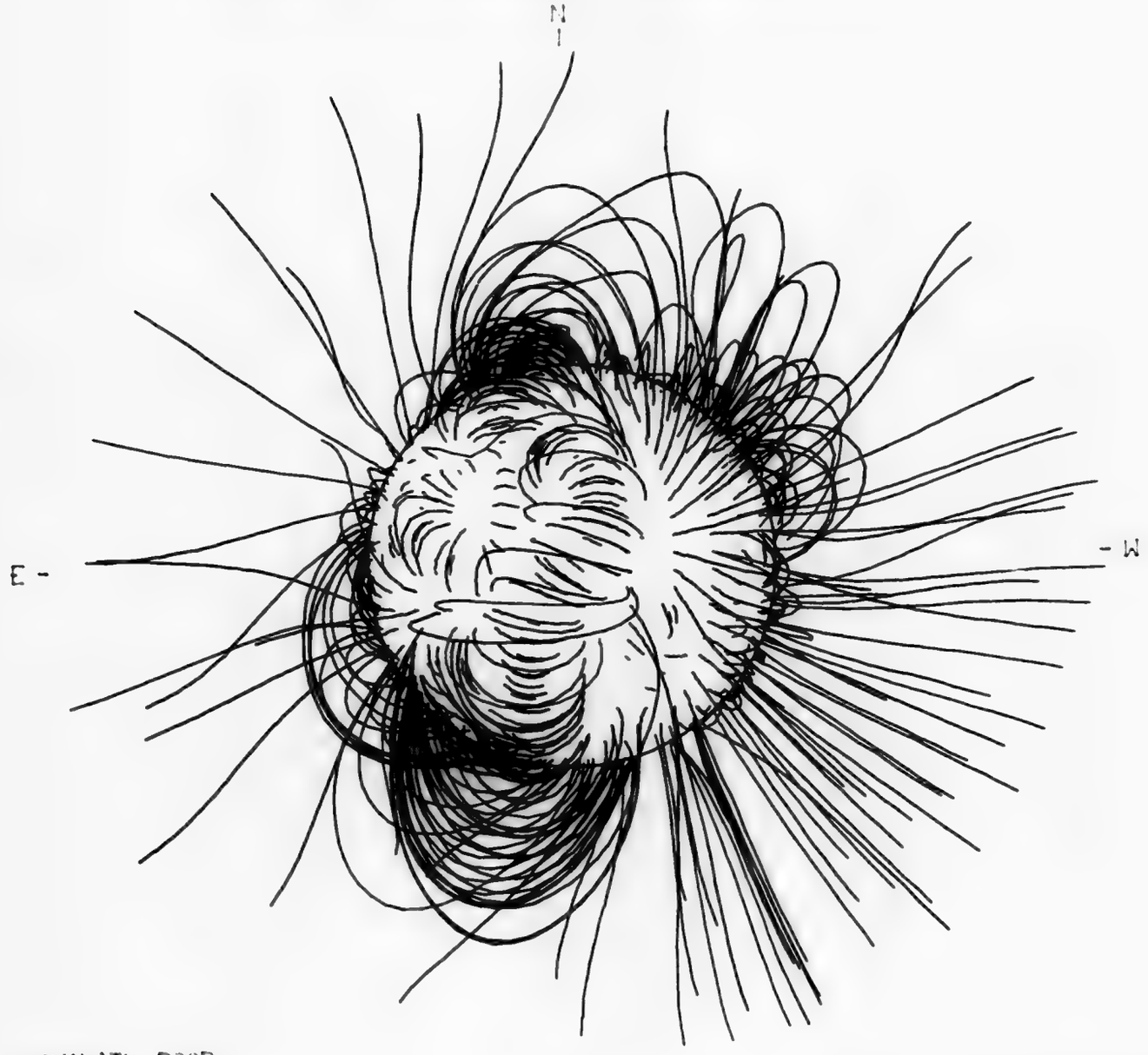
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1454 LONG. 40°

7.1 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1454.72

ROT. 1454 LONG. 30°
7.9 JUN 1962

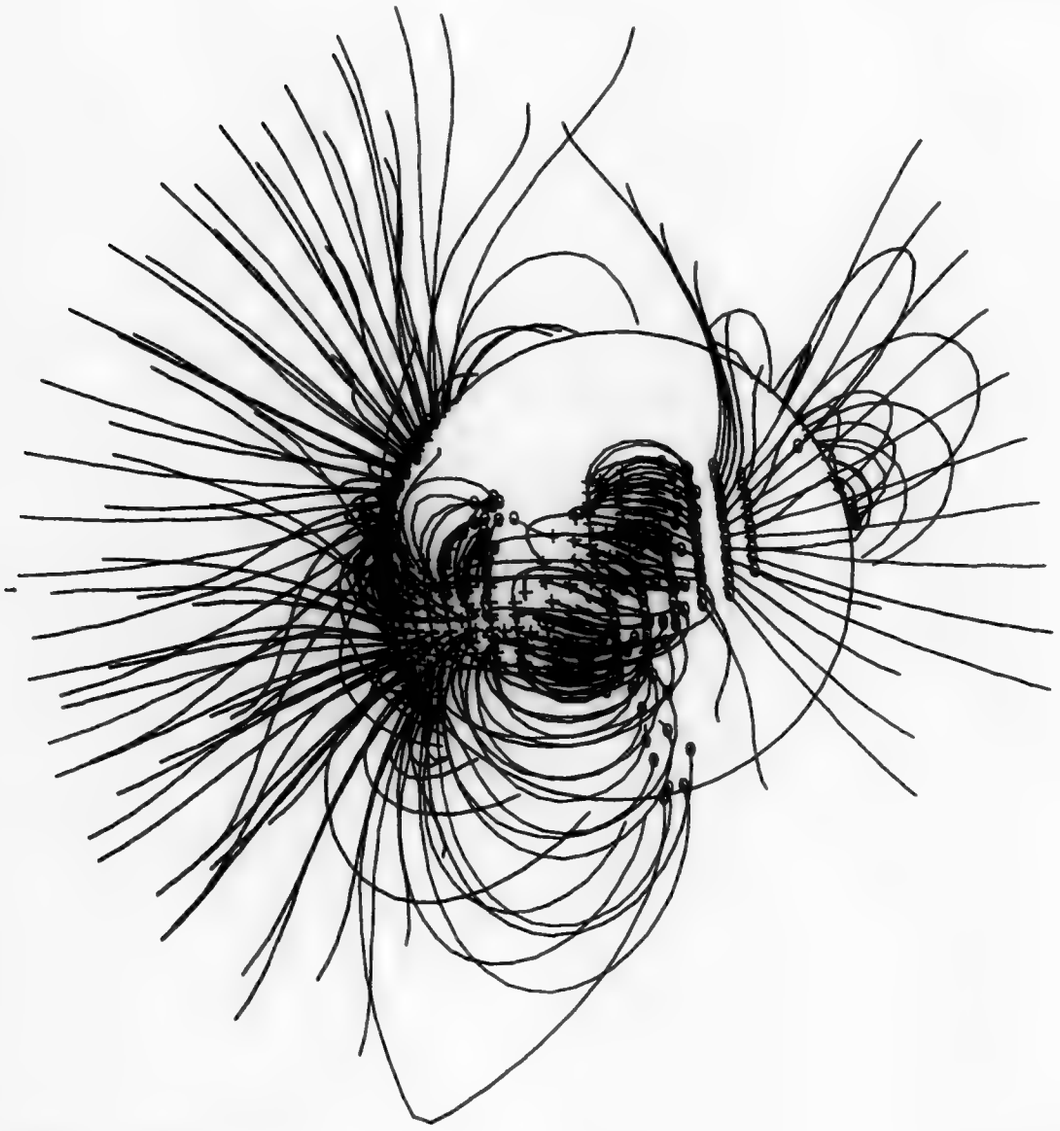
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

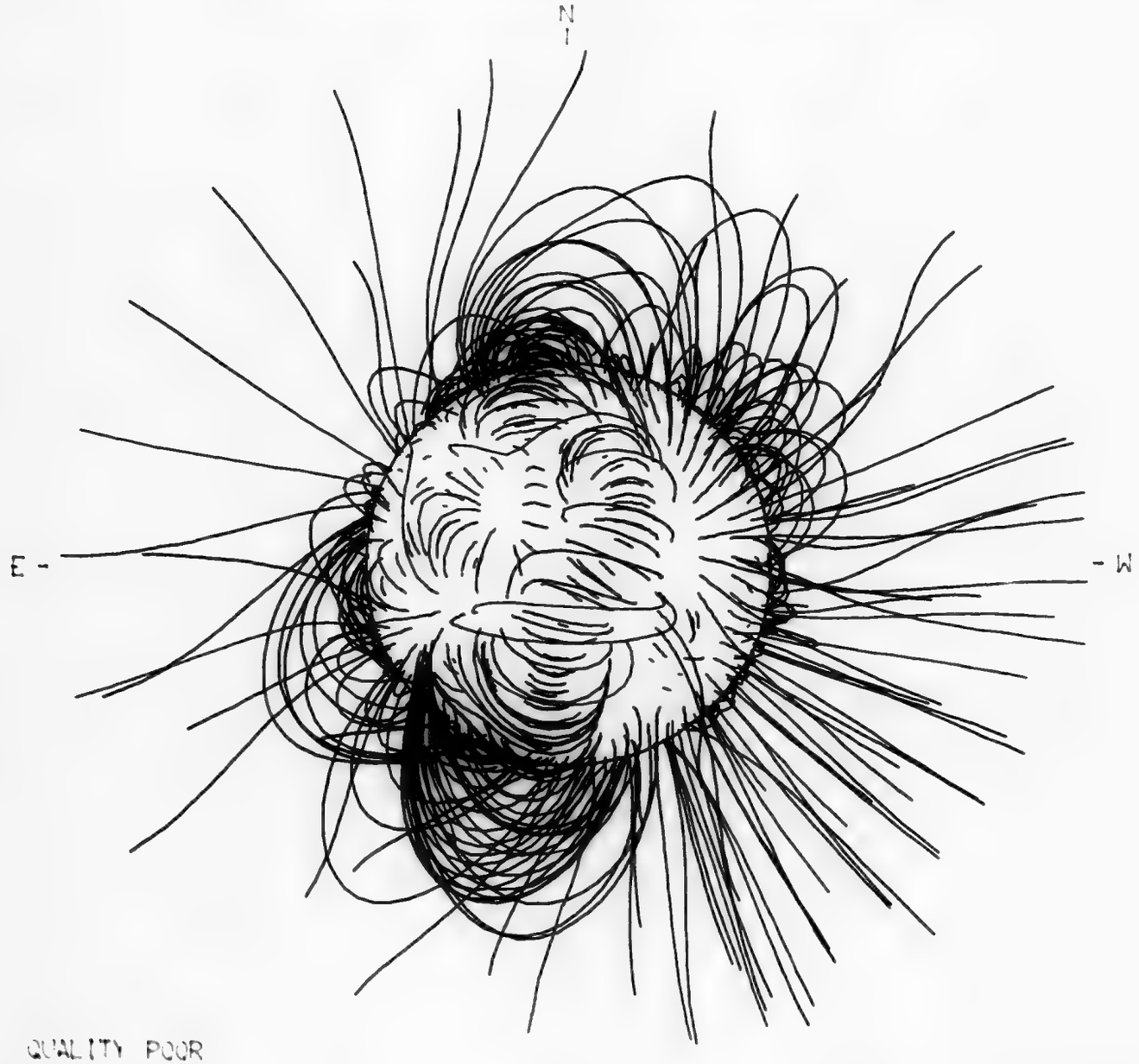
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1454 LONG. 30°

7.9 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

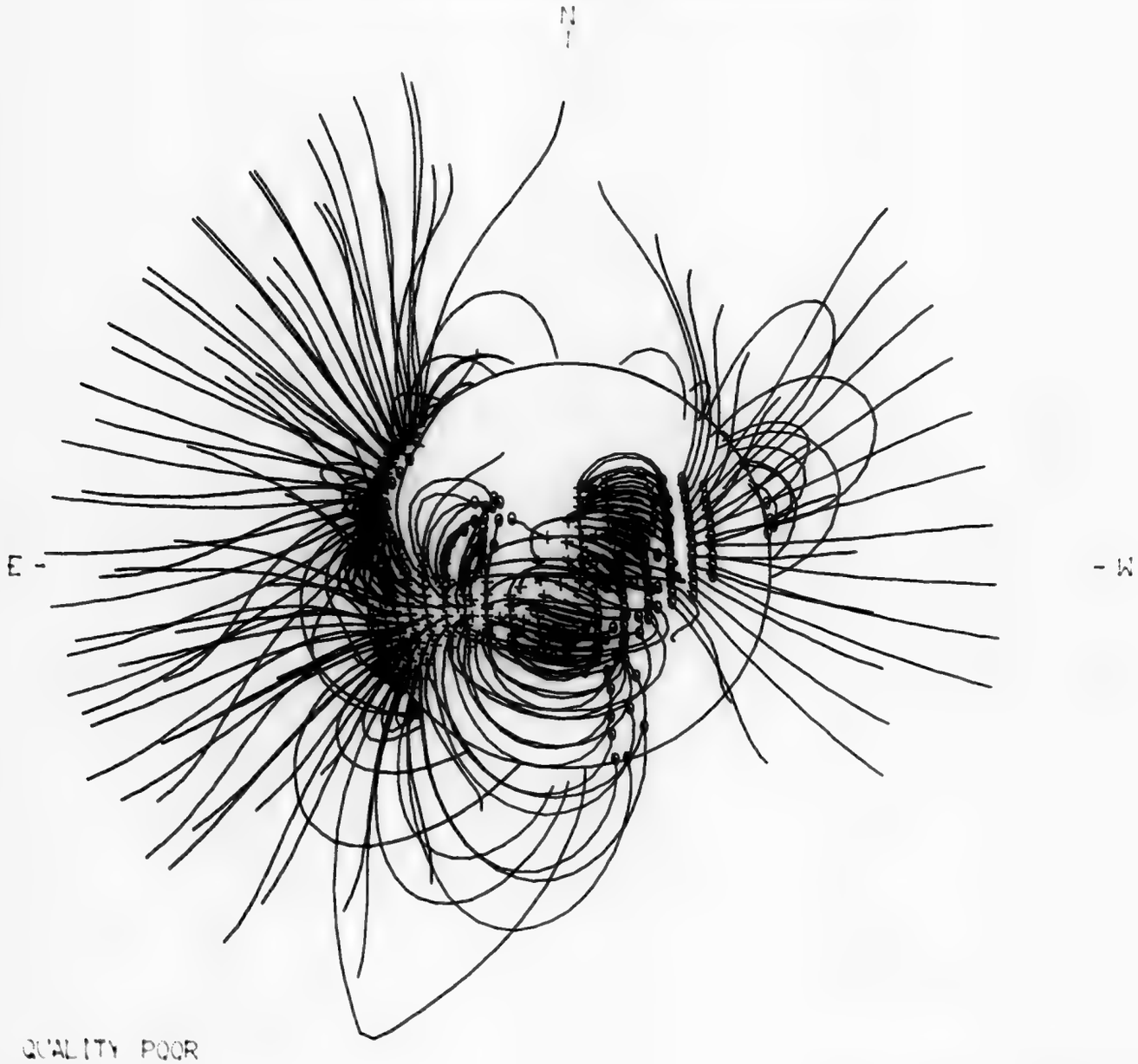
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1454 LONG. 20°

8.7 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

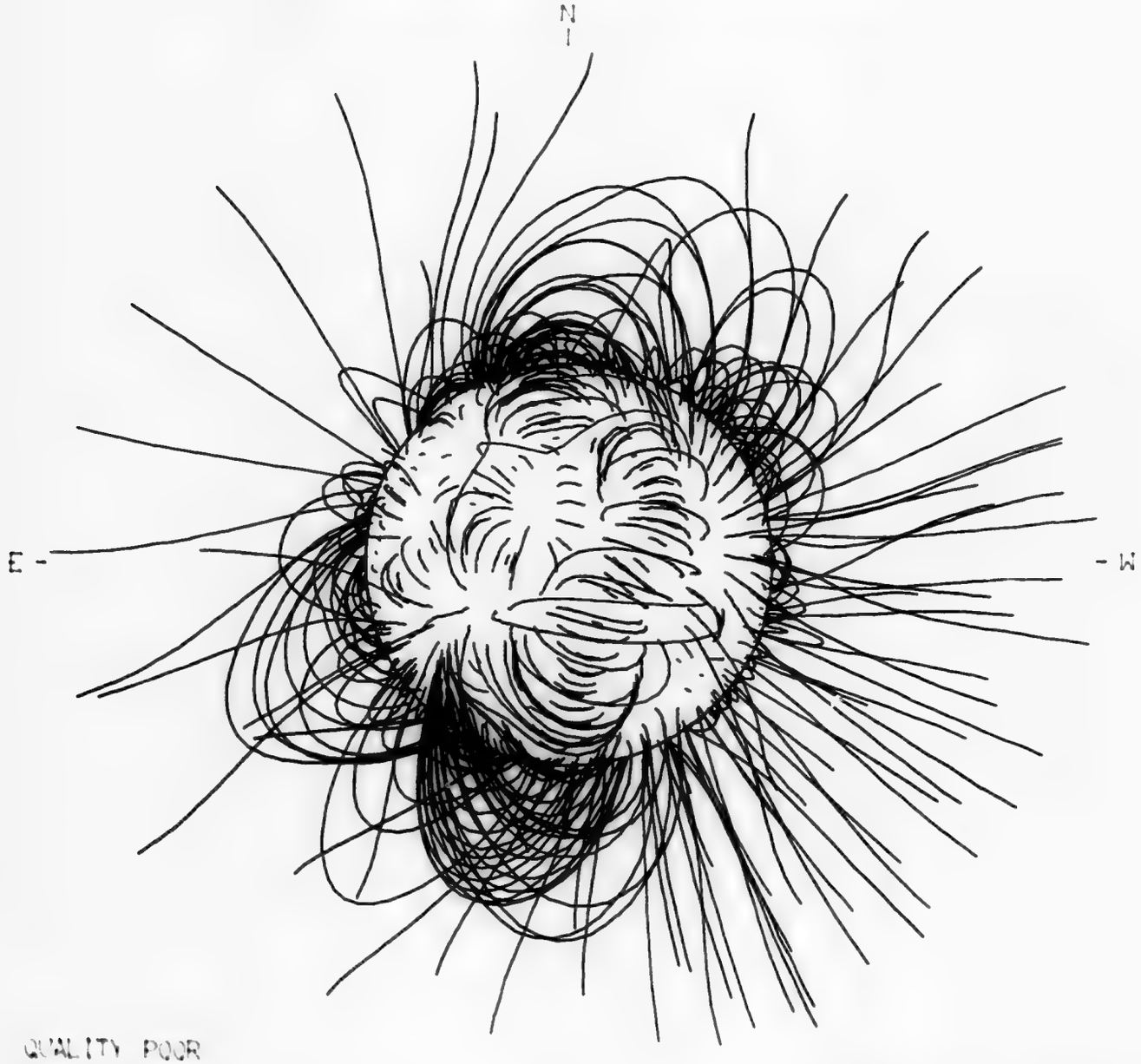
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1454 LONG. 20°

8.7 JUNE 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

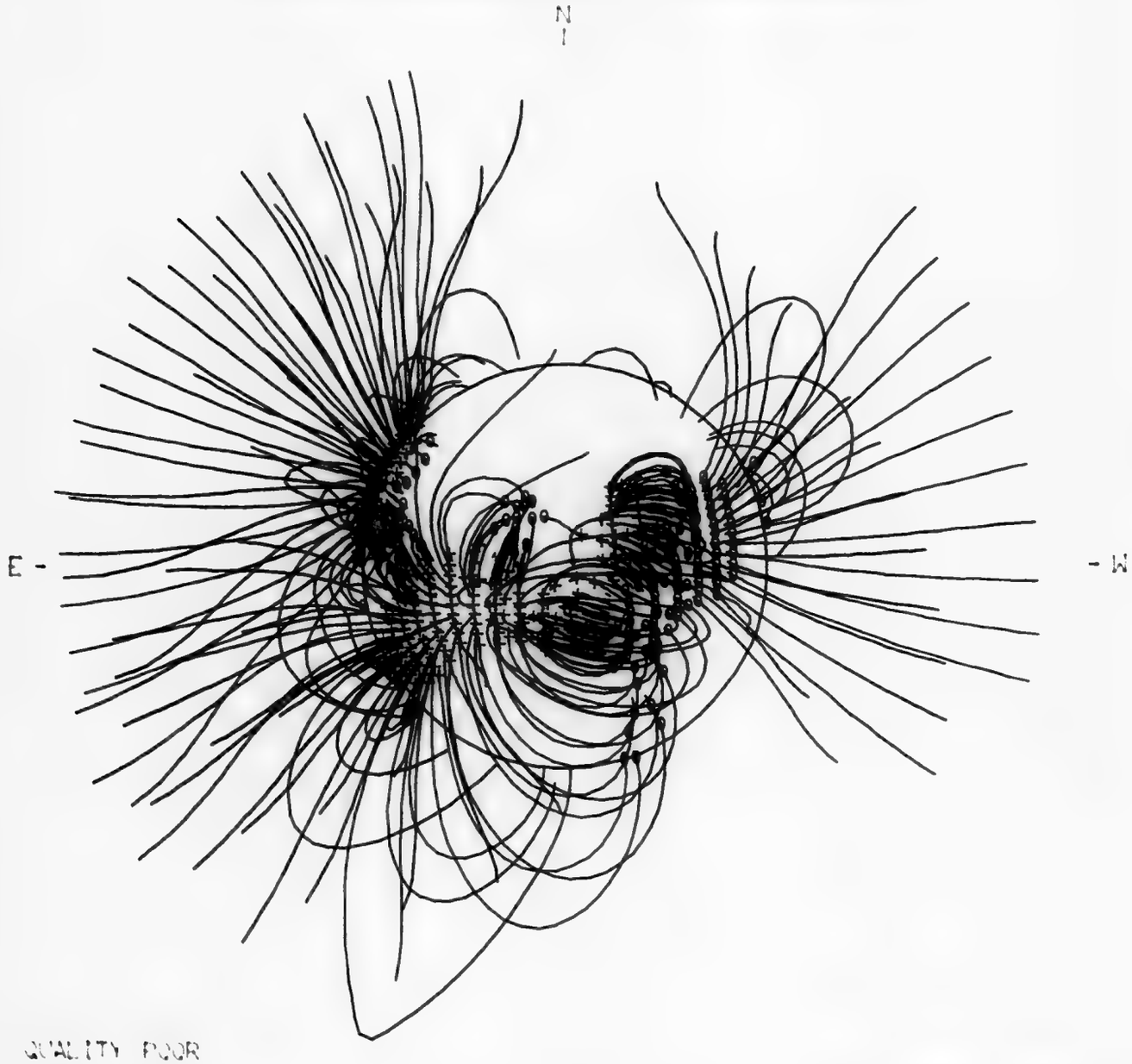
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1454 LONG. 10°

9.4 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

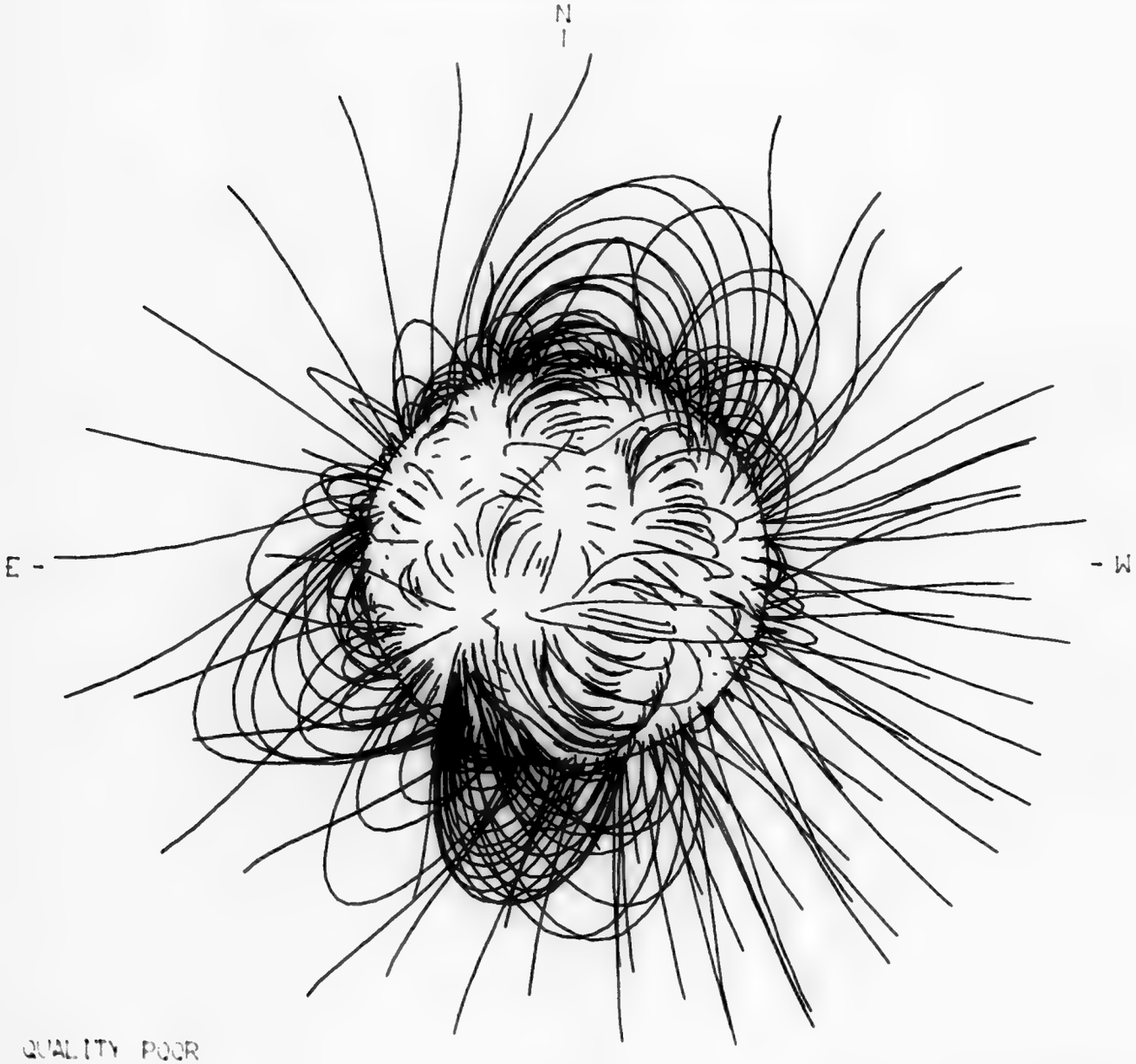
POLES DIRECT

DATA WINDOW 1454,??

ROT. 1454 LONG. ??°

9.4 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

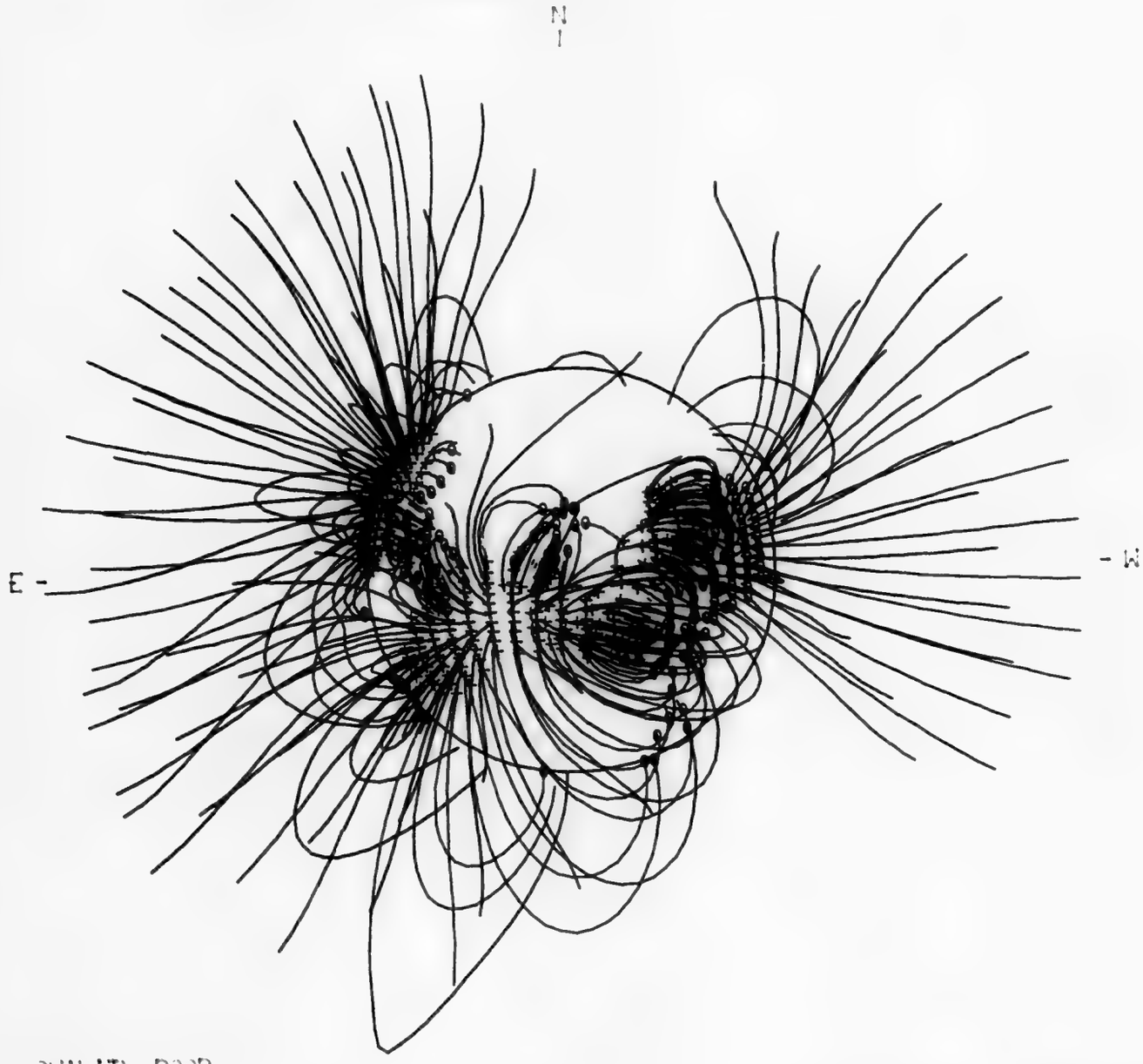
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1454 LONG. 0°

10.2 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

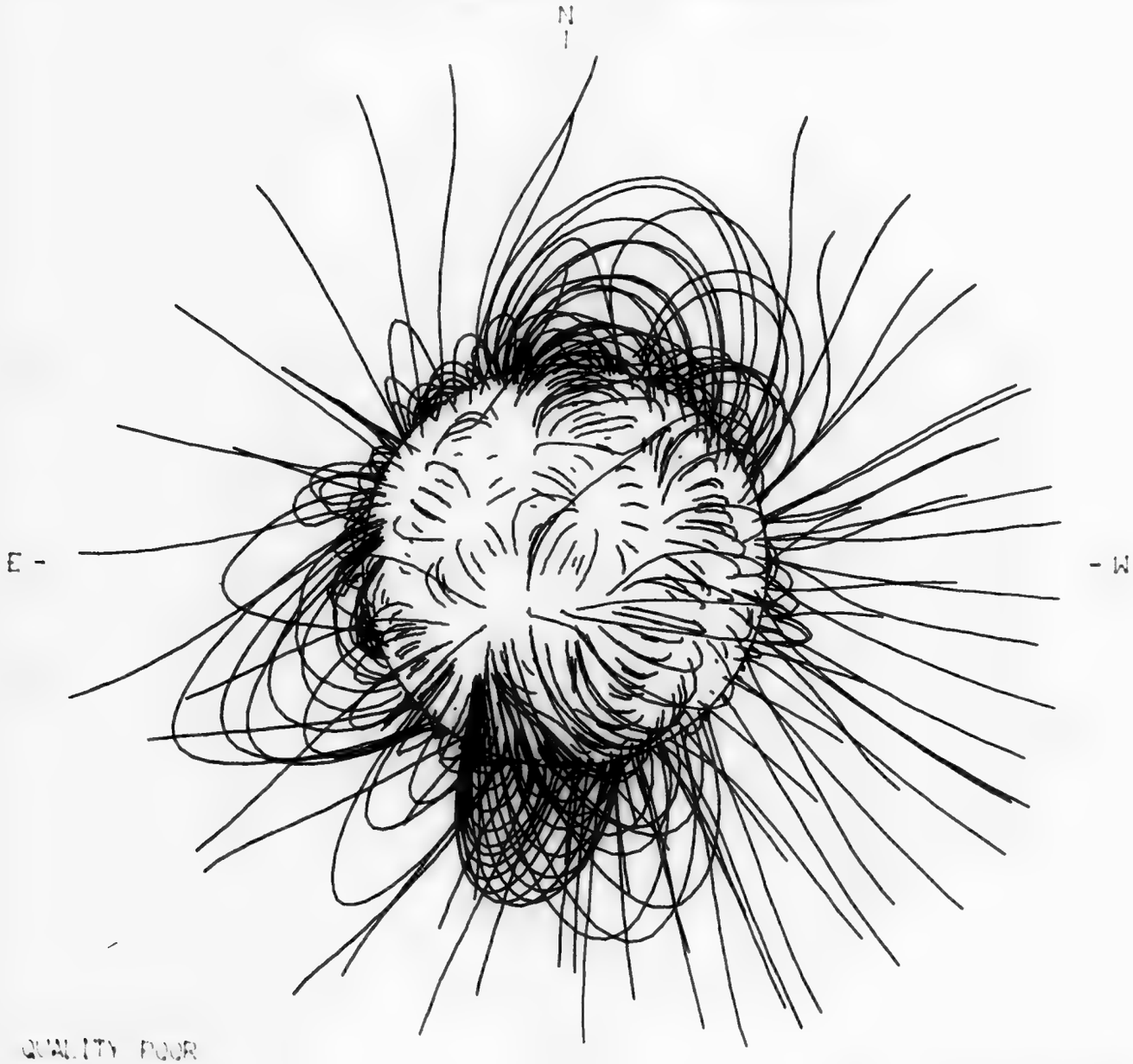
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1454 LONG. 0°

10.2 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

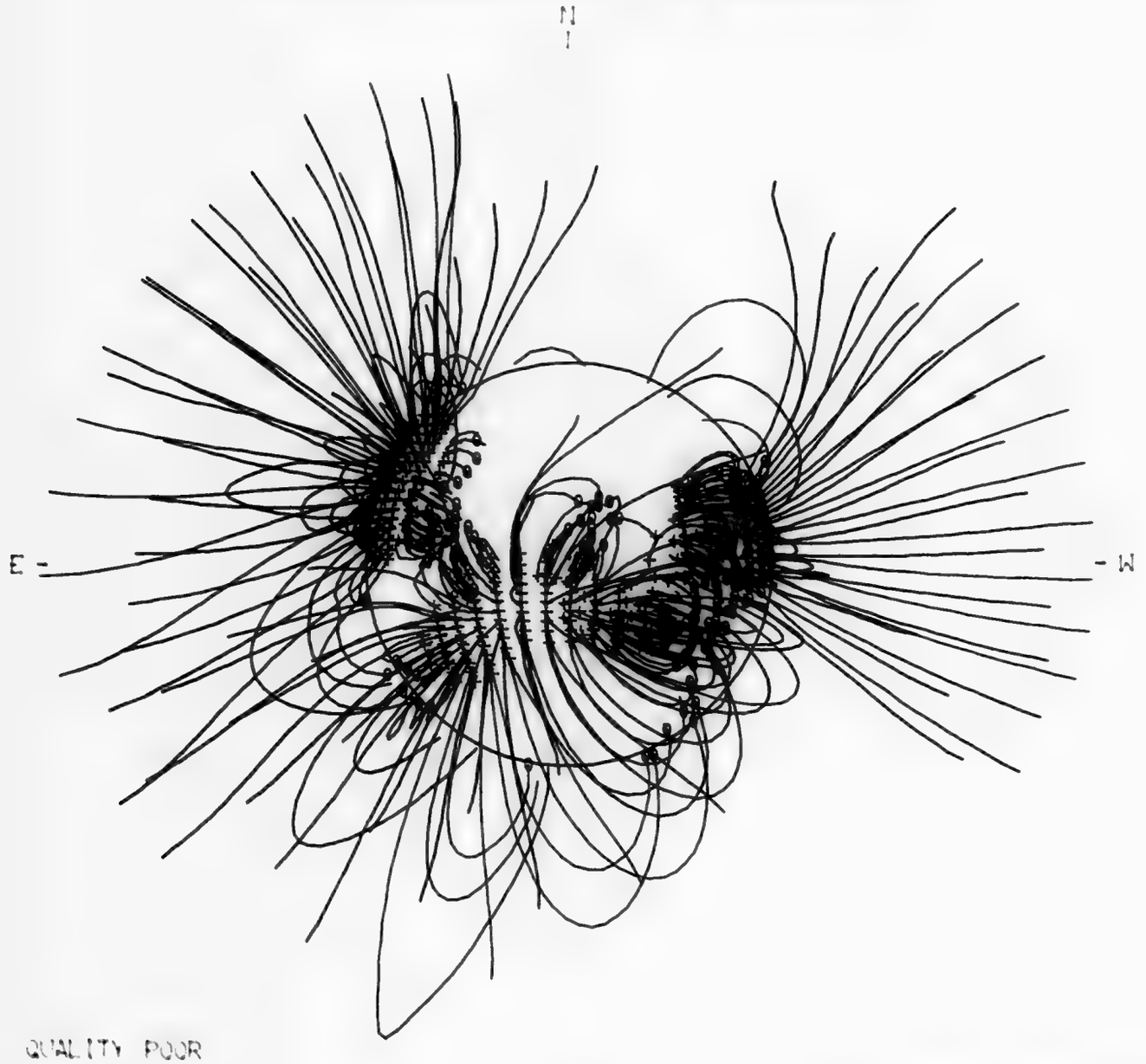
POLES DIRECT

DATA WINDOW 1454.7%

ROT. 1455 LONG. 350°

10.9 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

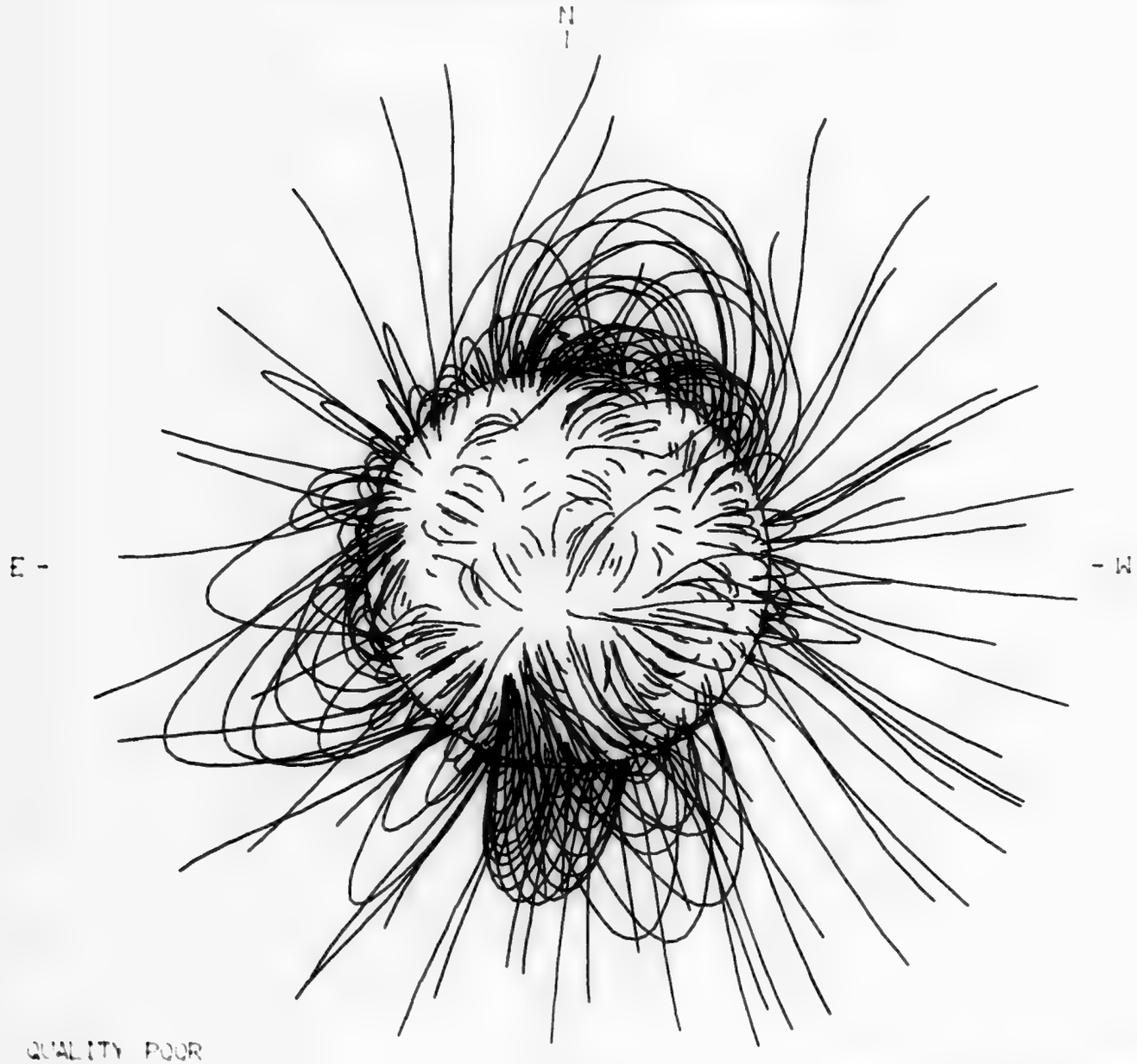
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1455 LONG. 350°

10.9 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

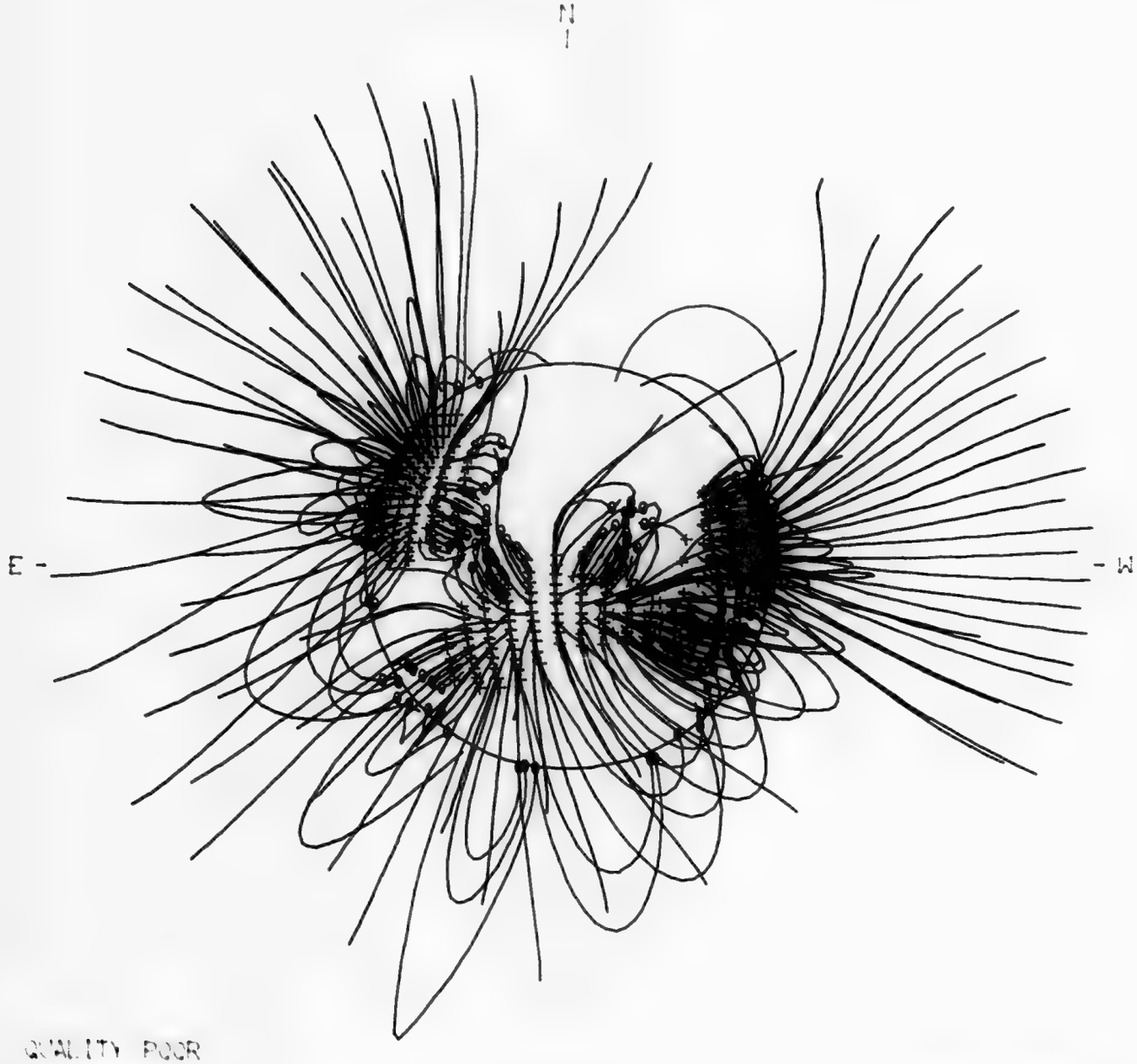
POLES DIRECT

DATA WINDOW 1.054.72

ROT. 1455 LONG. 340°

11.7 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

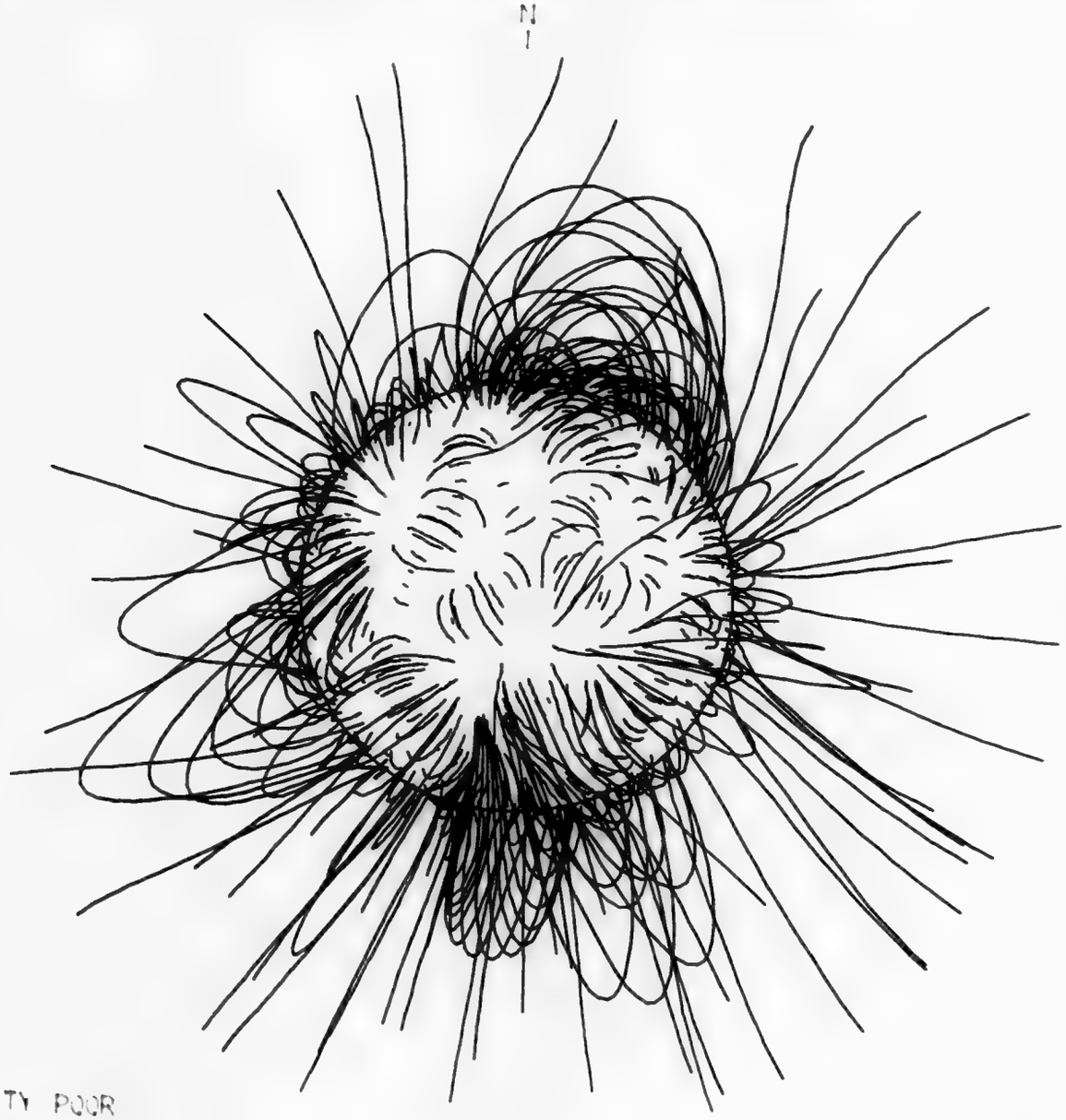
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1455 LONG. 340°

11.7 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

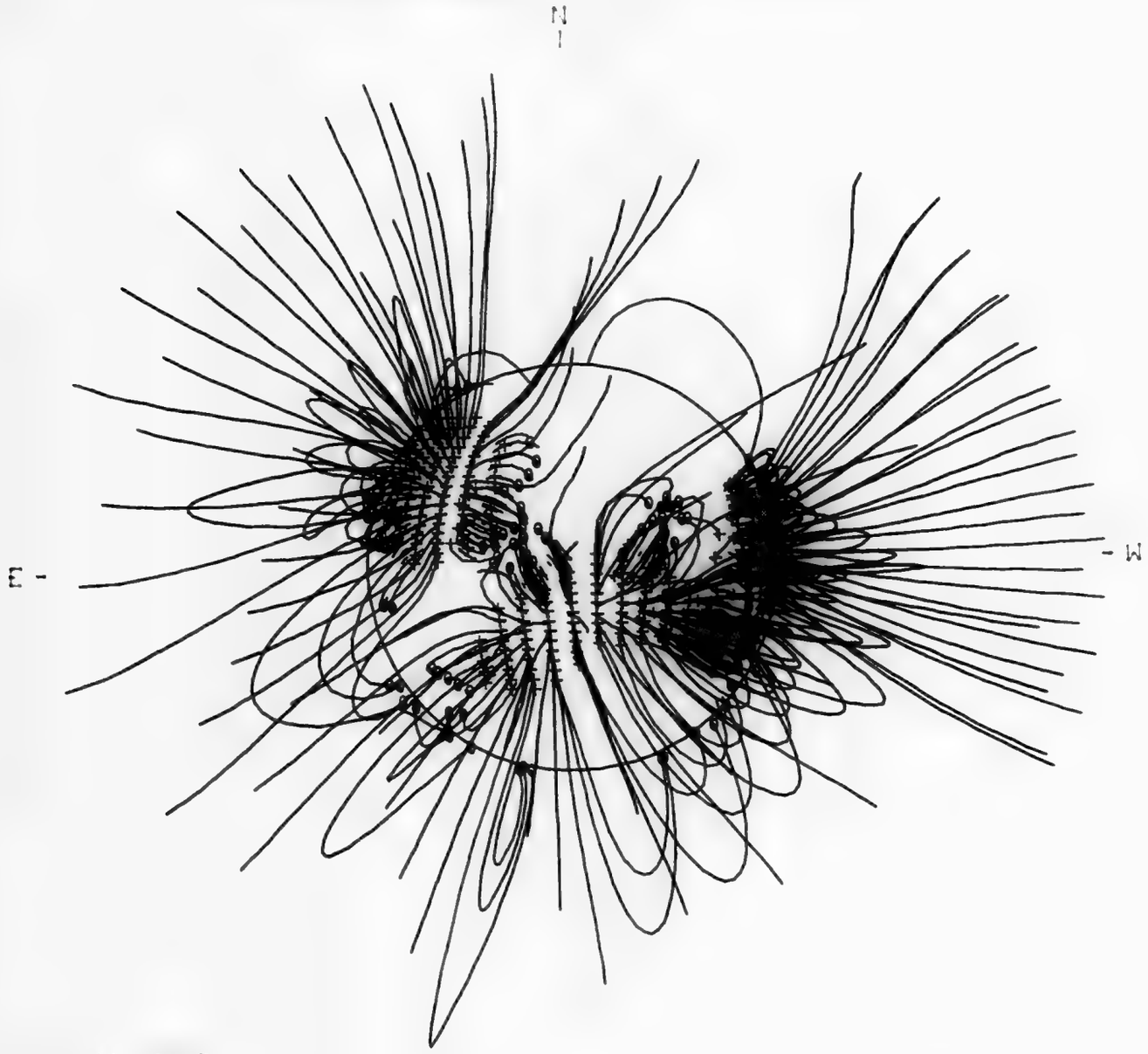
POLES DIRECT

DATA WINDOW 1.05A.U.

ROT. 1455 LONG. 330°

12.4 JULY 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

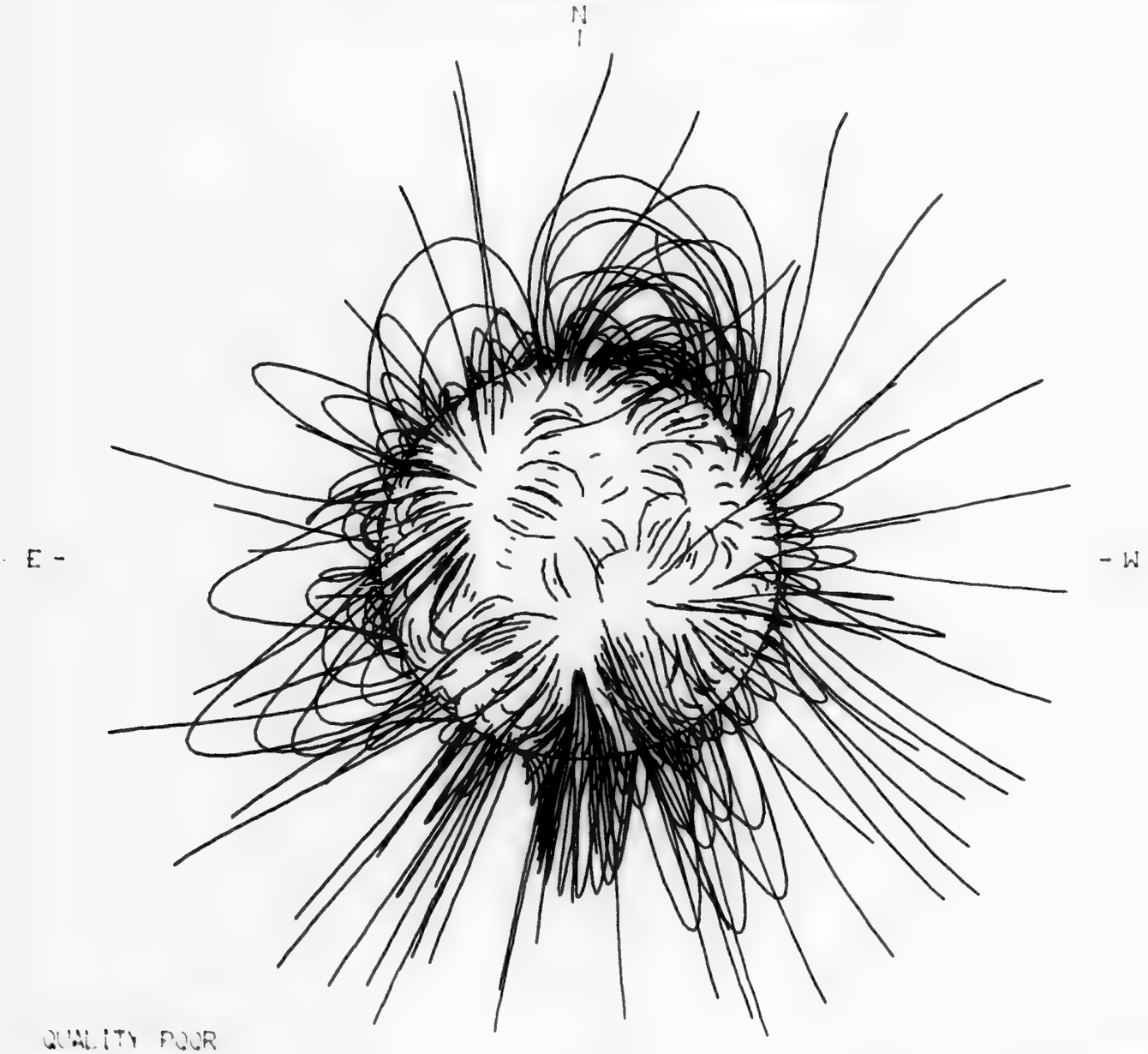
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1455 LONG. 330°

12.4 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

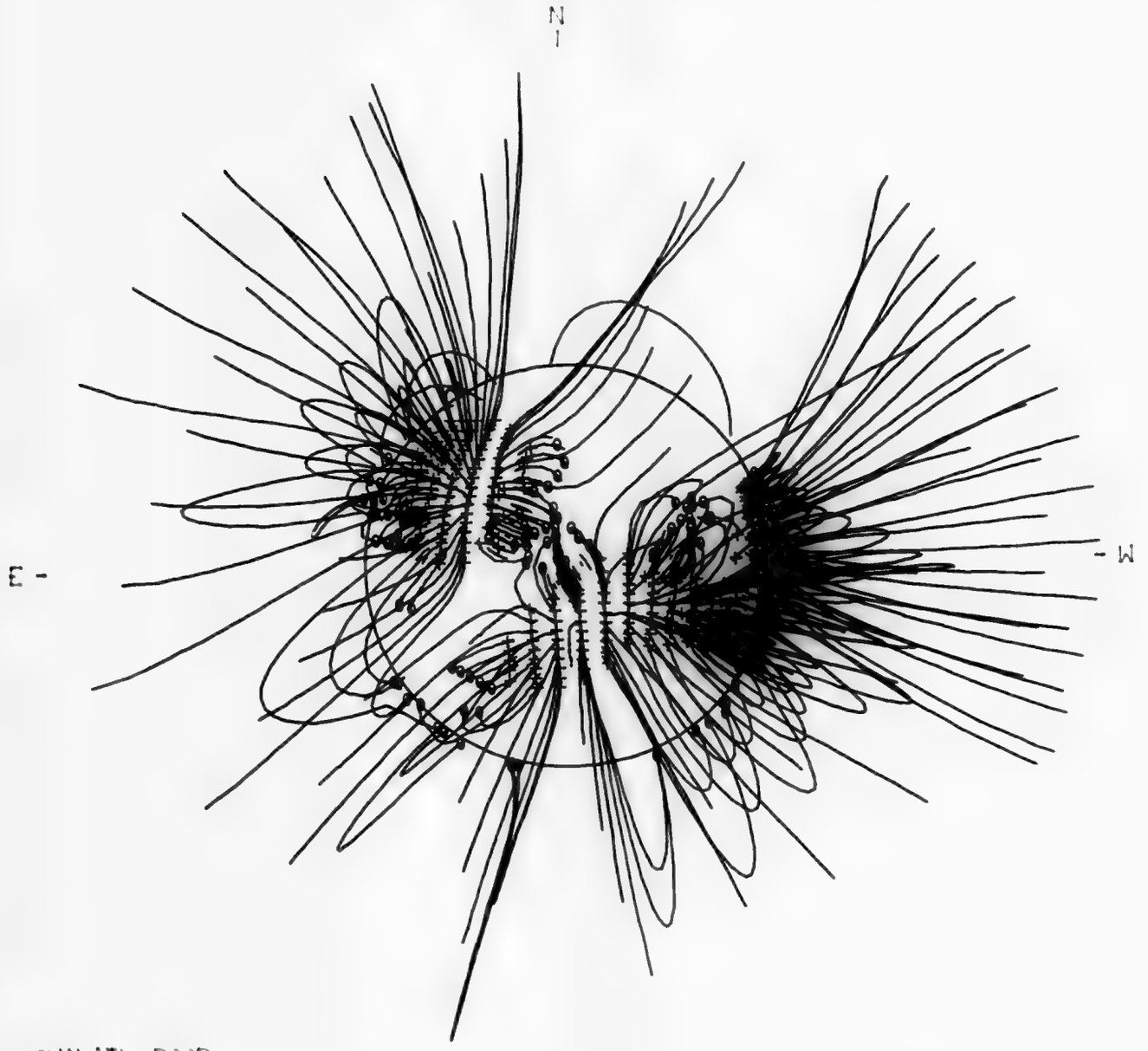
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1455 LONG. 320°

13.2 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

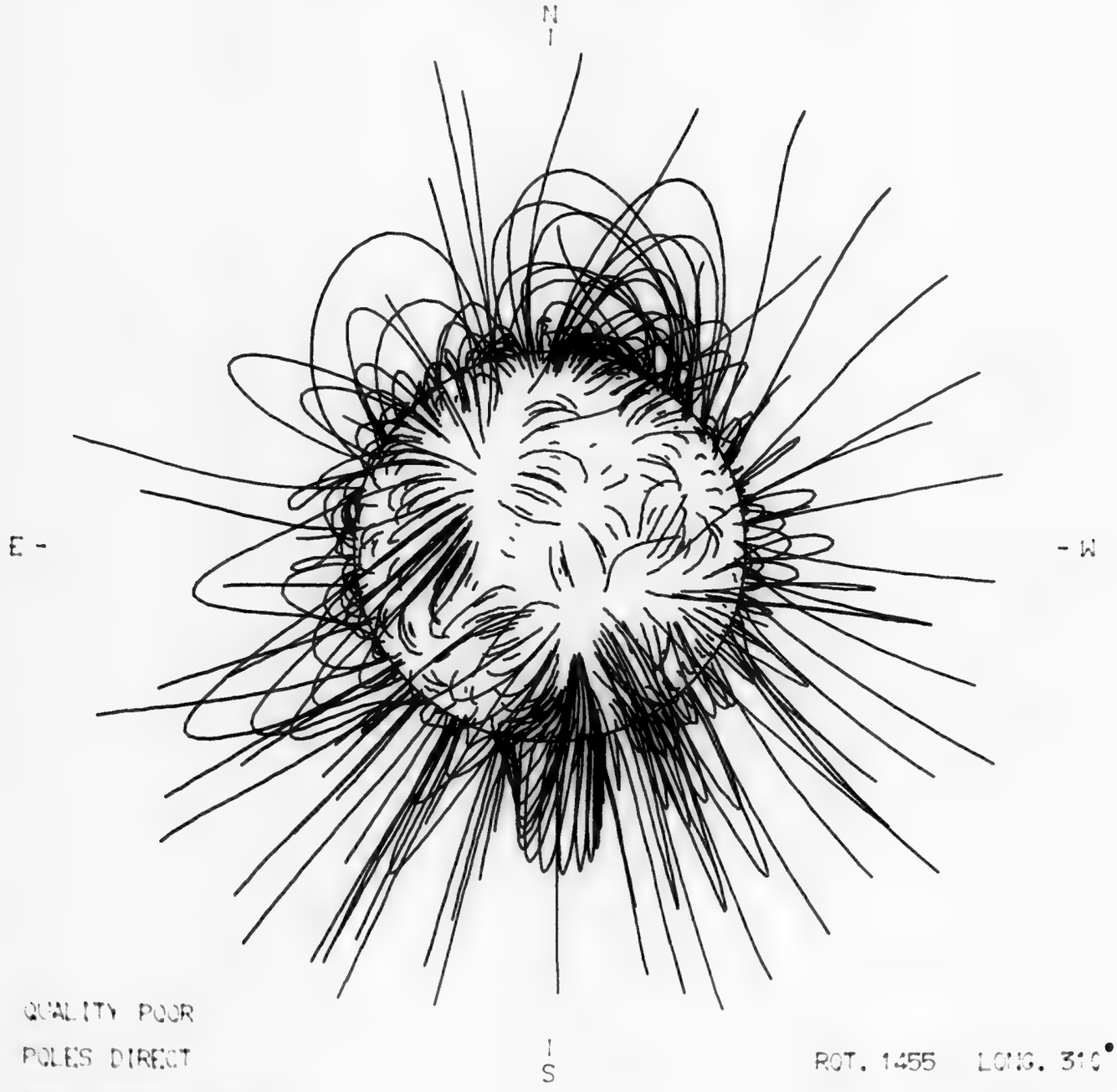
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1455 LONG. 320°

13.2 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

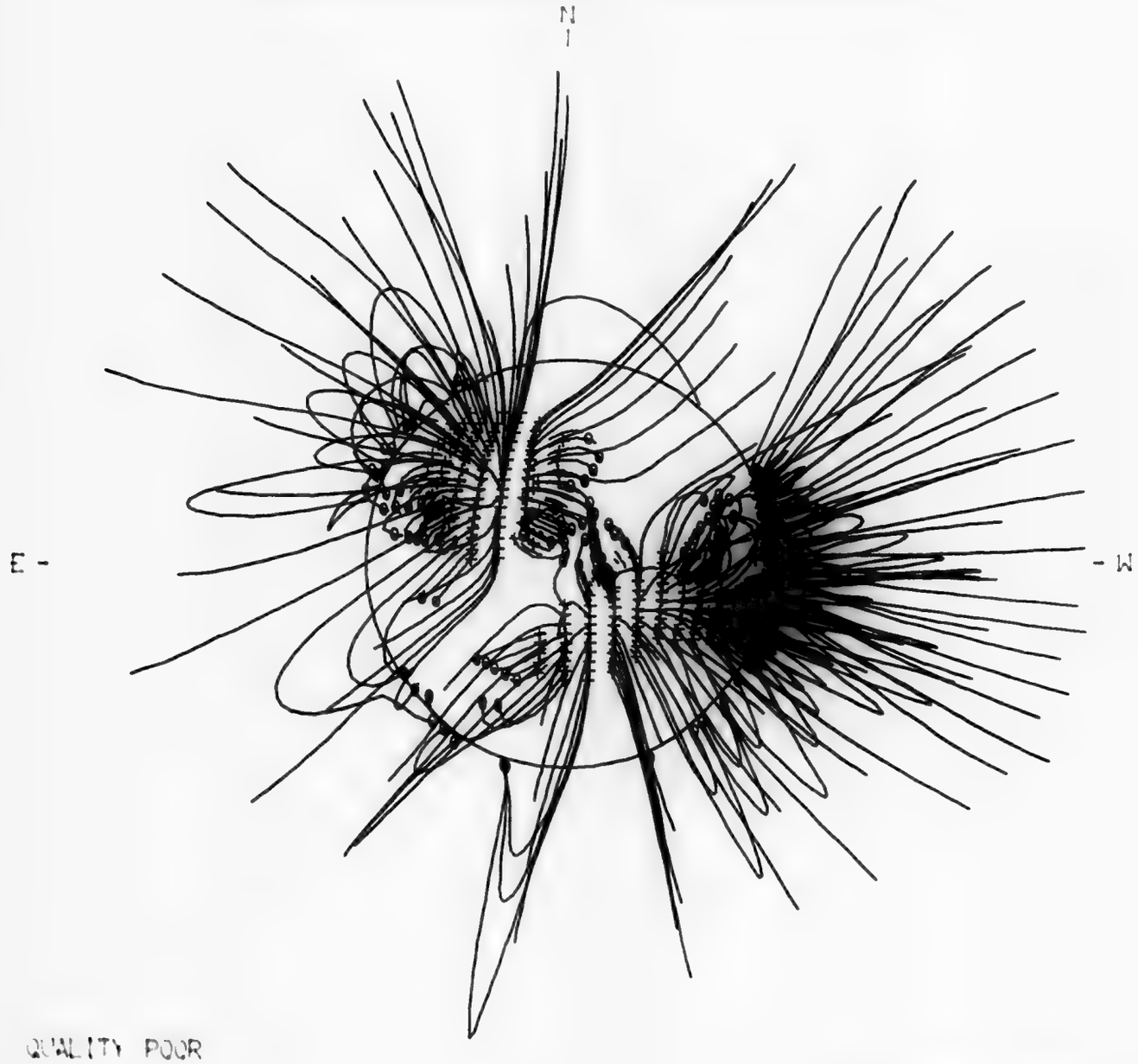
POLES DIRECT

DATA WINDOW 1354.72

ROT. 1455 LONG. 310°

14.0 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

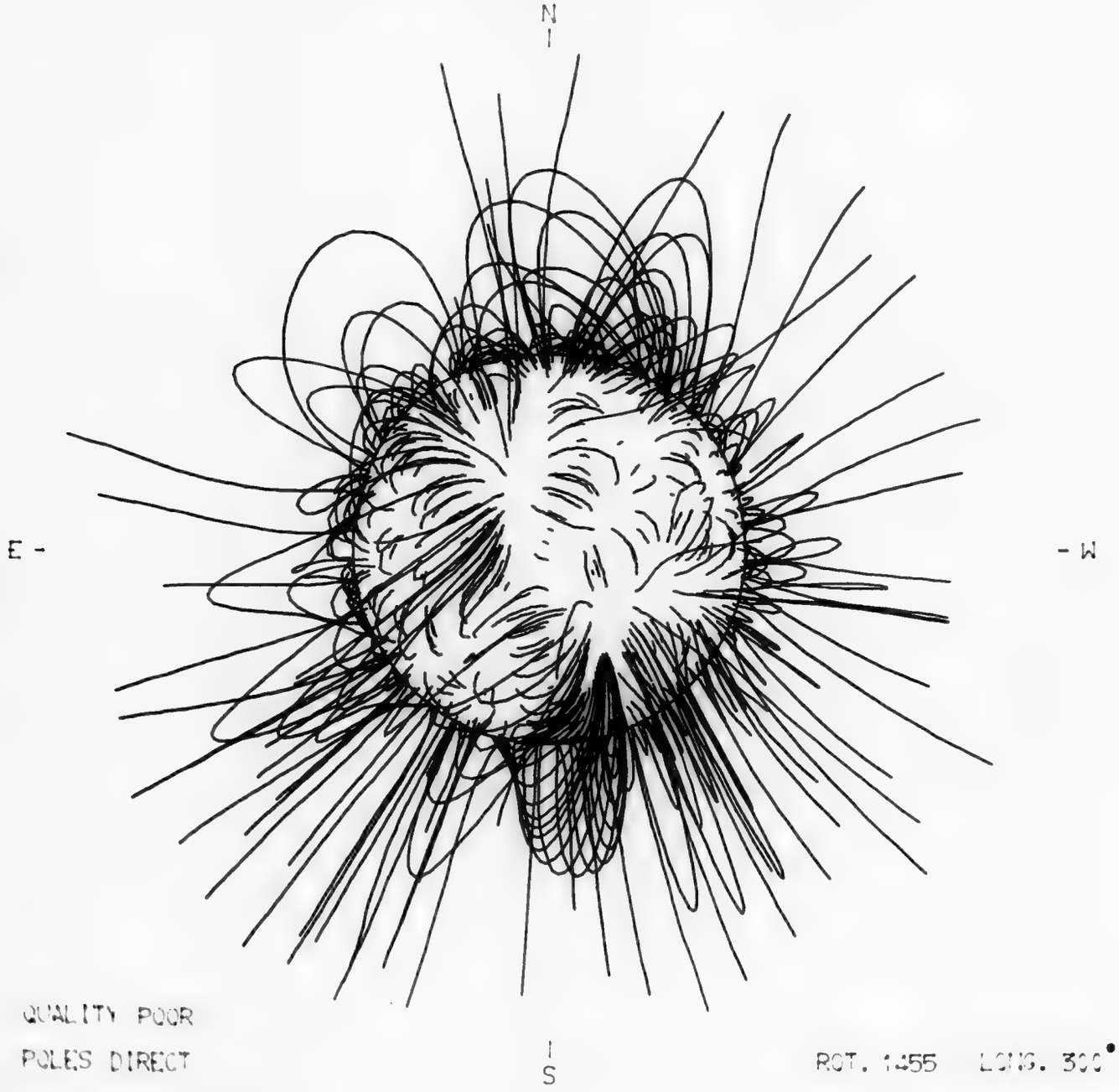
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1455 LONG. 31°

14.0 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

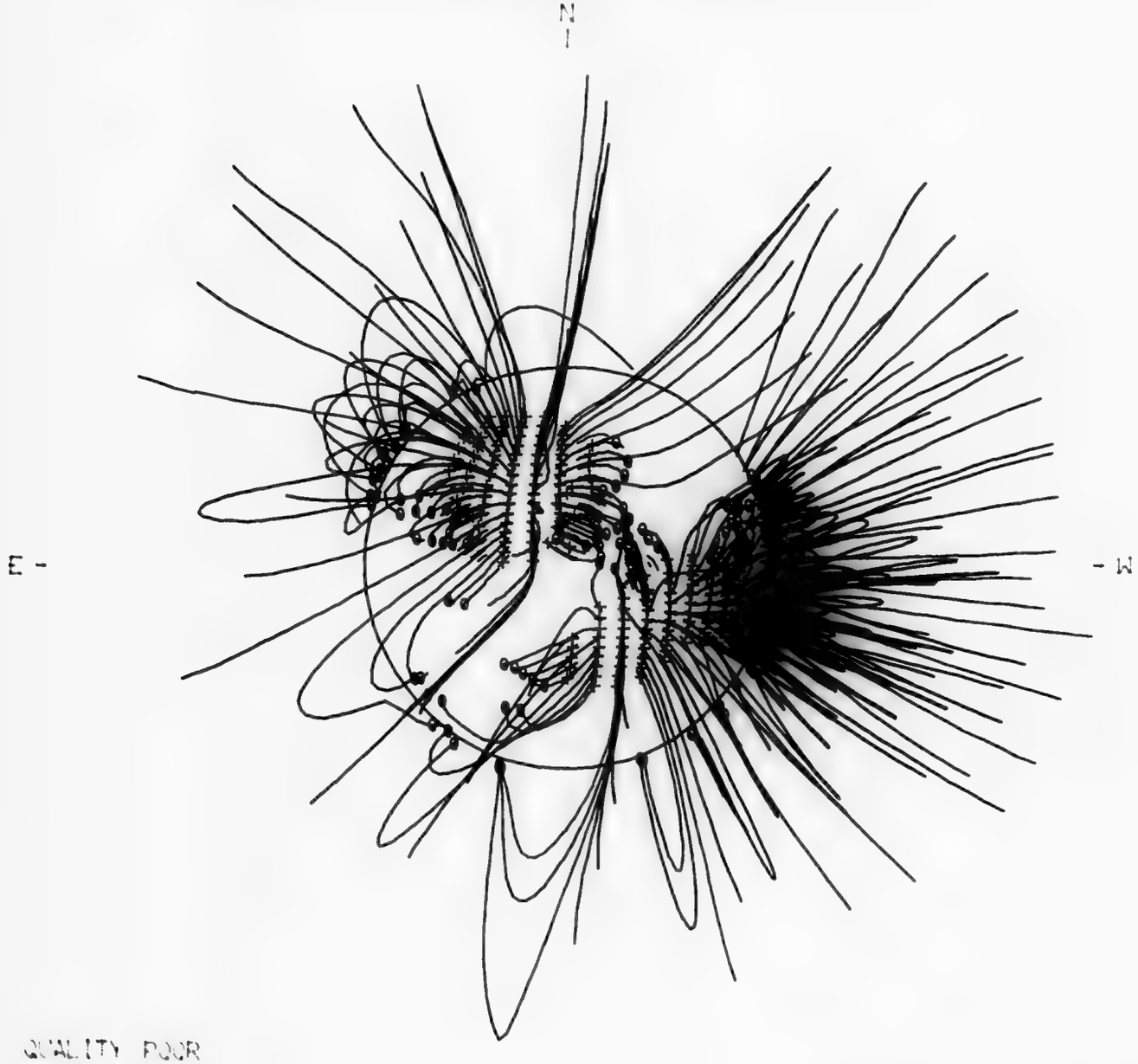
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1455 LONG. 300°

14.7 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

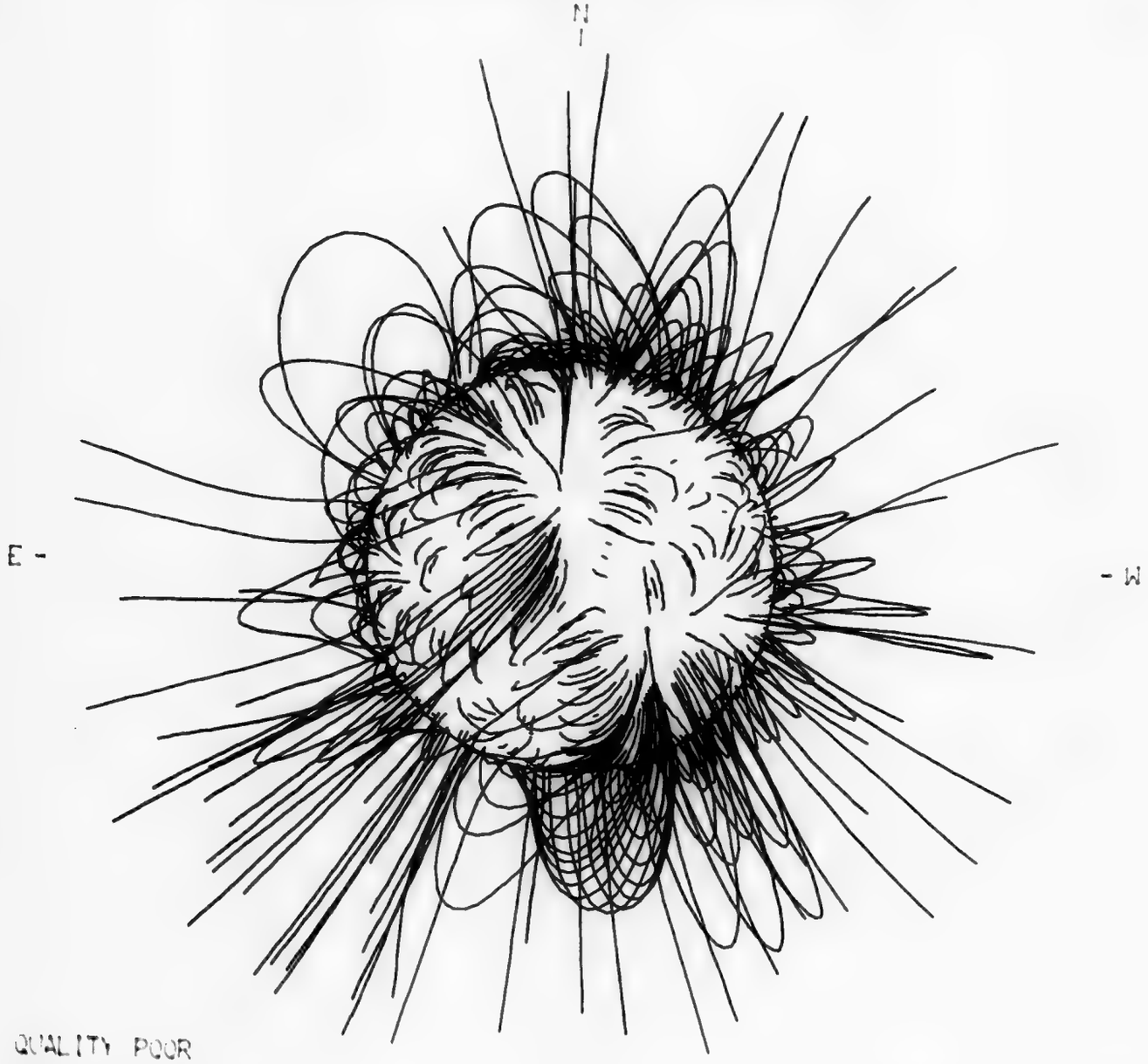
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1455 LONG. 300°

14.7 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

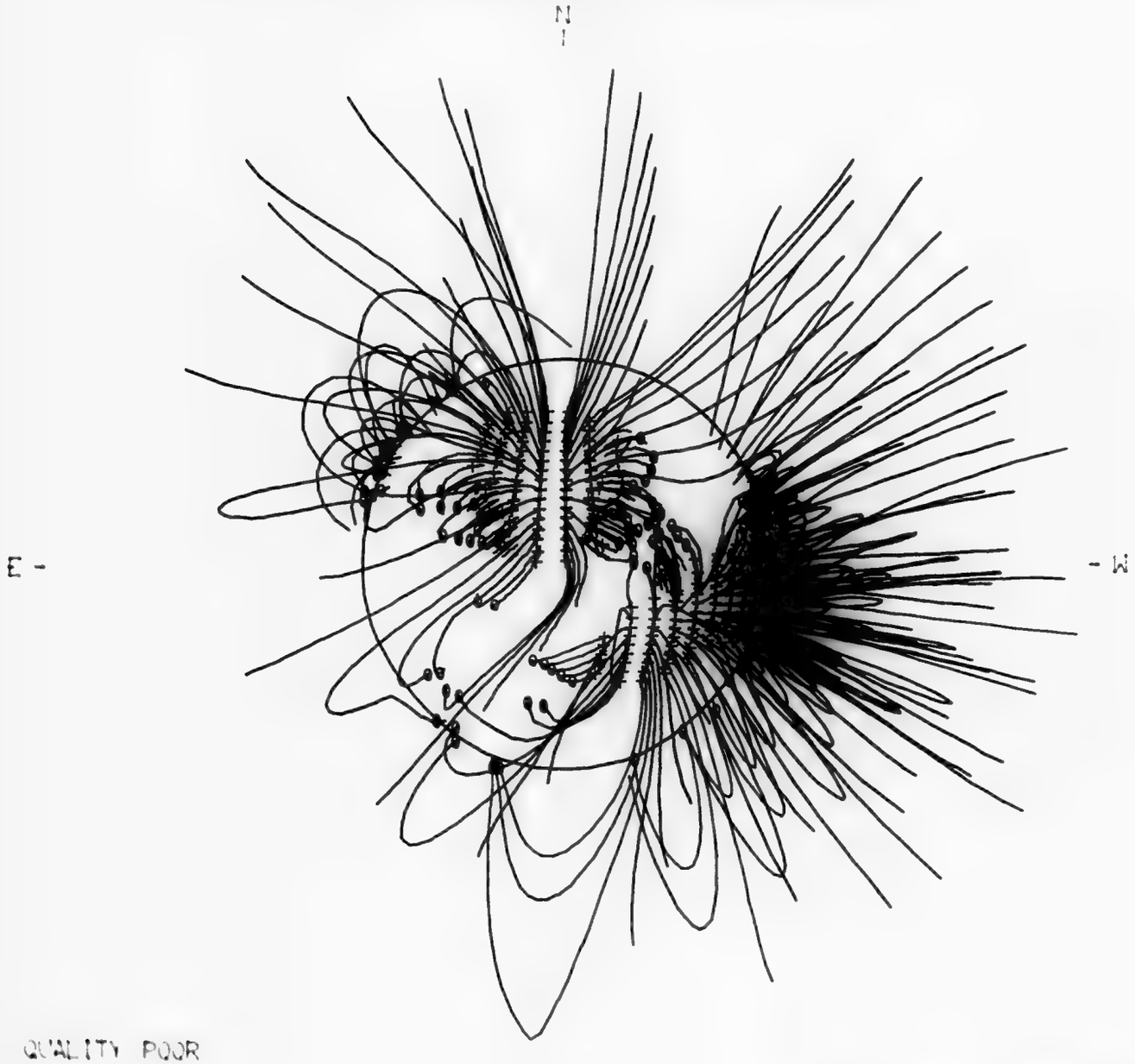
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1455 LONG. 290°

15.5 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

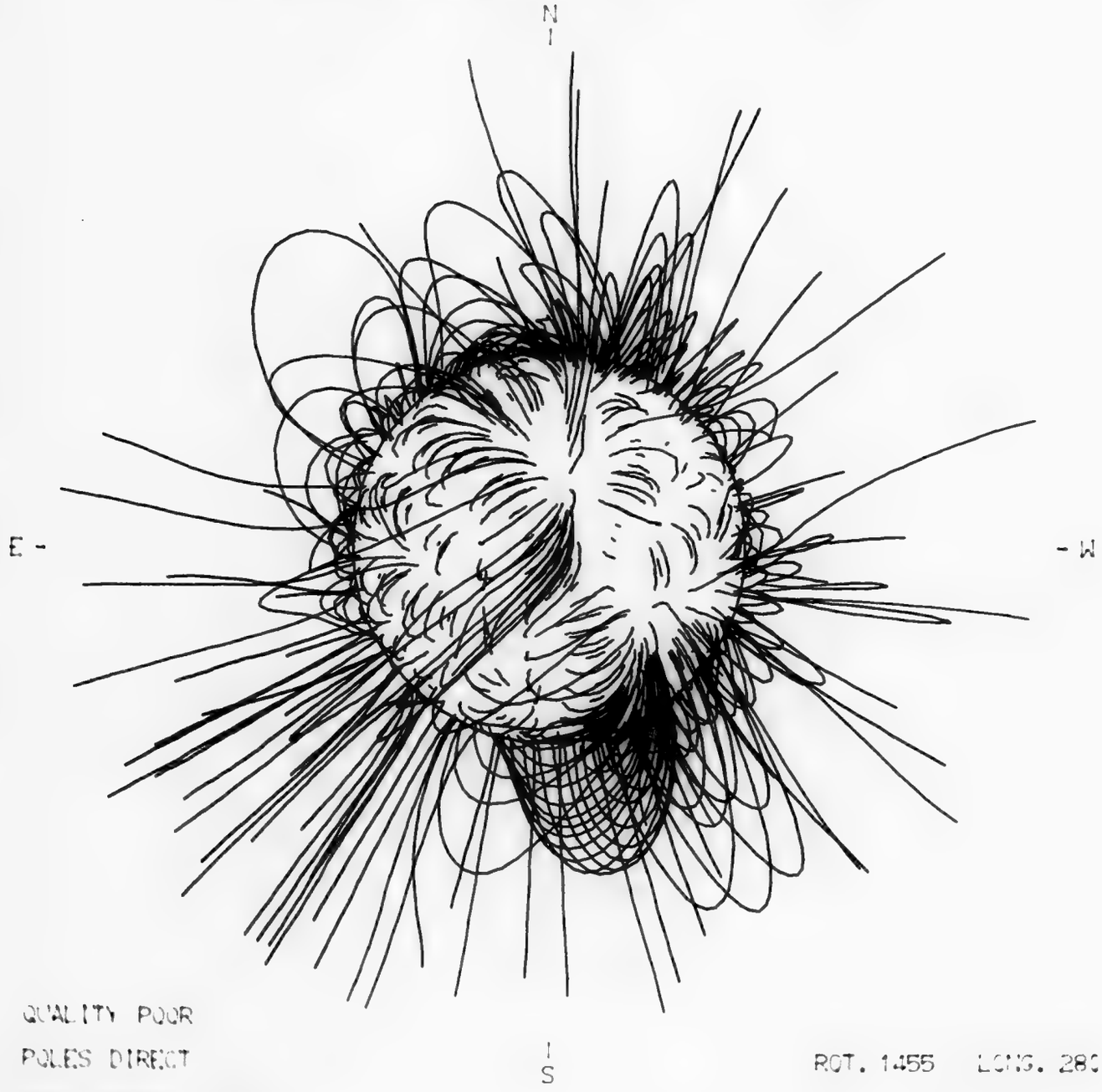
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1455 LONG. 290°

15.5 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

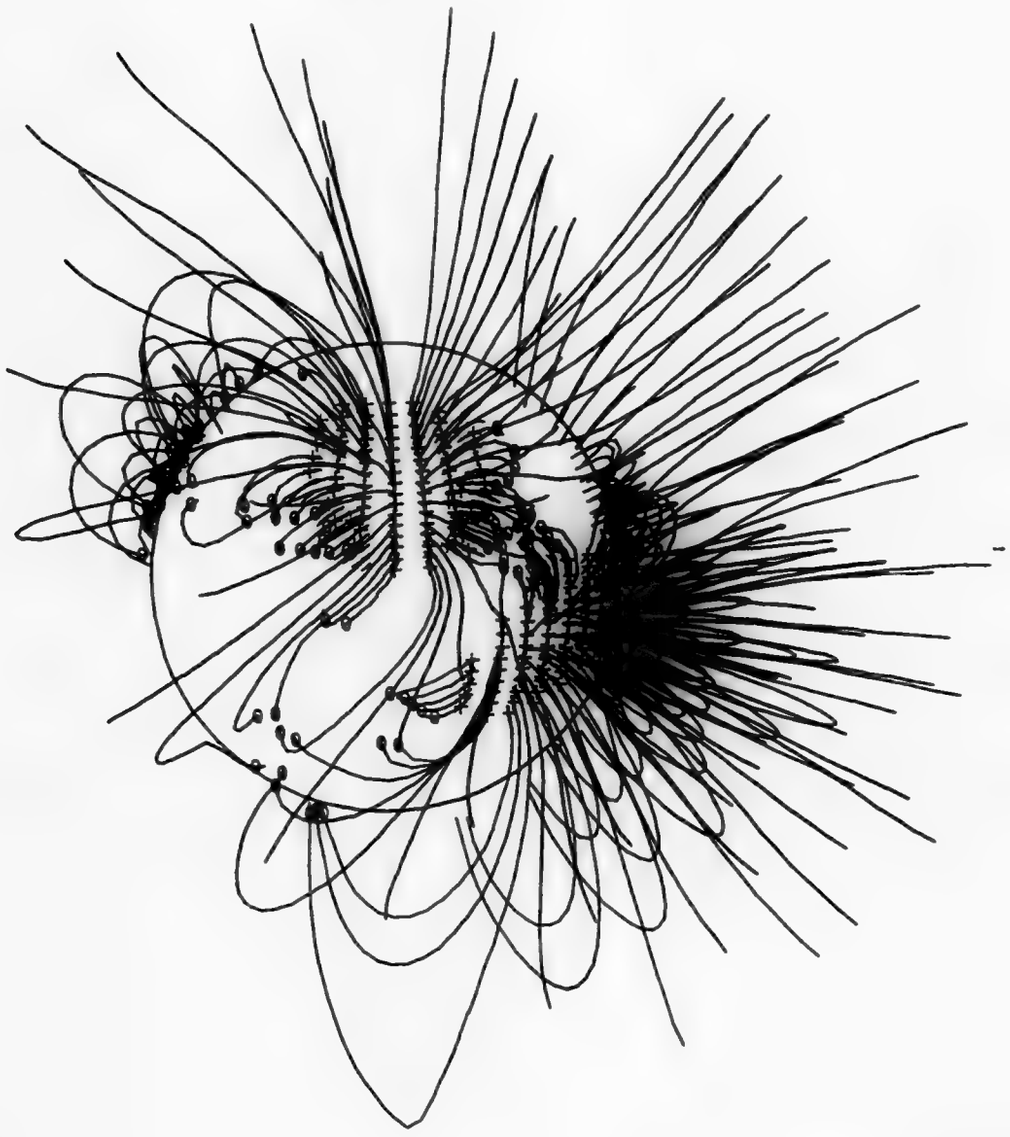
DATA WINDOW 1354.72

ROT. 1455 LONG. 280°

16.2 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

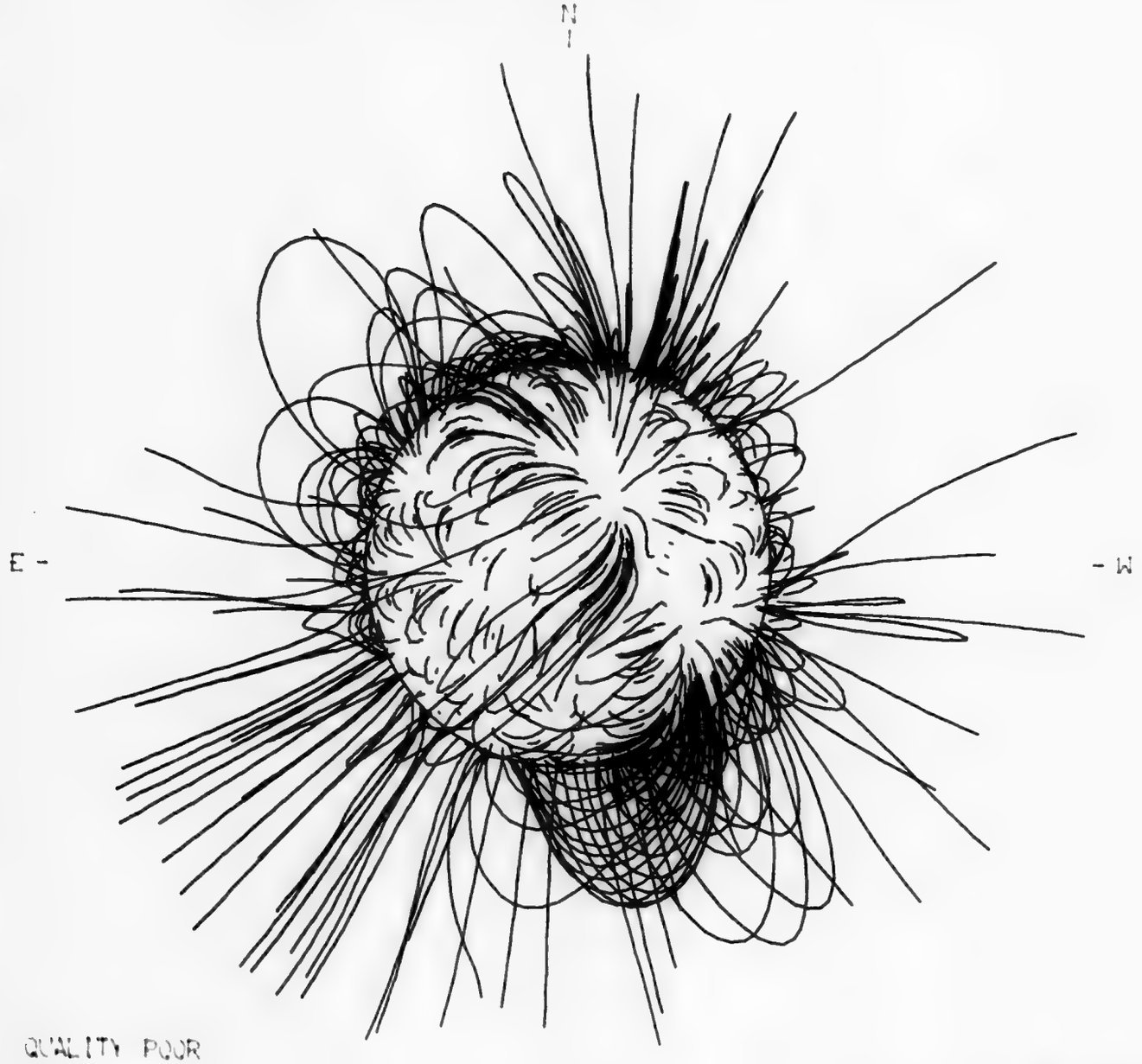
- W

S

QUALITY POOR
POLES DIRECT
DATA WINDOW 1454.72

ROT. 1455 LONG. 280°
16.2 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

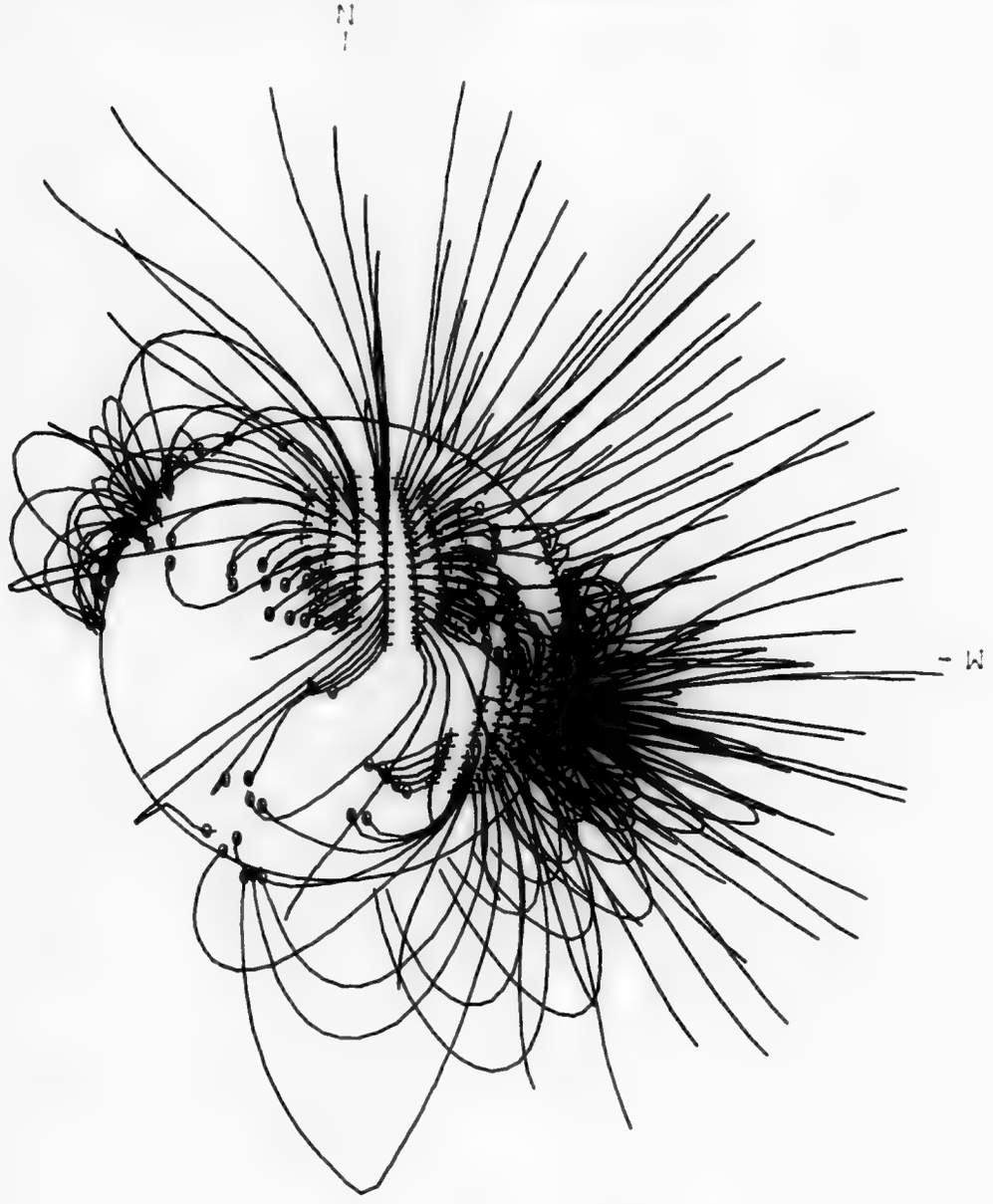
POLES DIRECT

DATA WINDOW 1454.7?

ROT. 1455 LONG. 270°

17.0 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

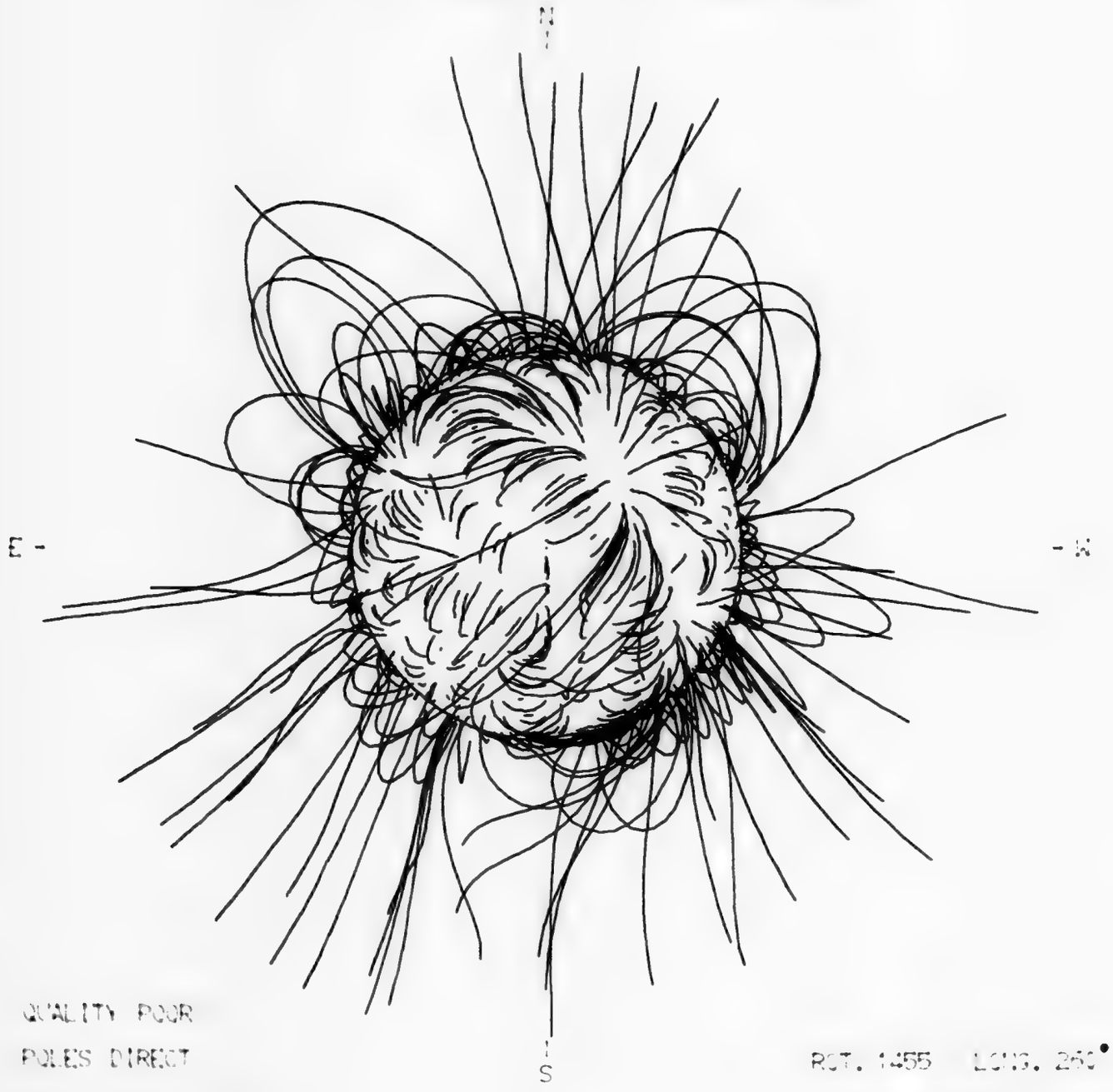
POLES DIRECT

DATA WINDOW 1454.72

ROT. 1455 LONG. 270°

17.0 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 260°

17.7 [illegible] 1962

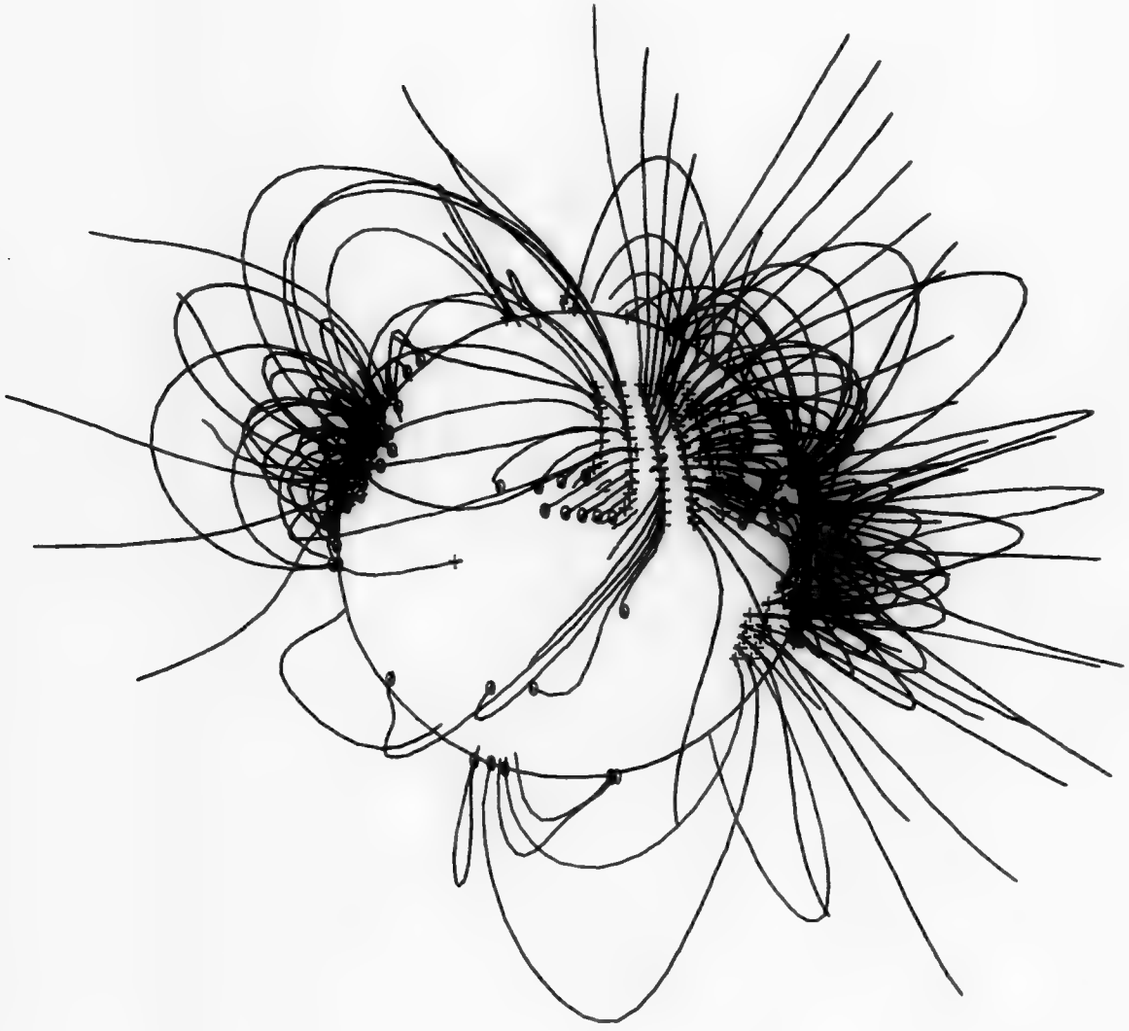
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

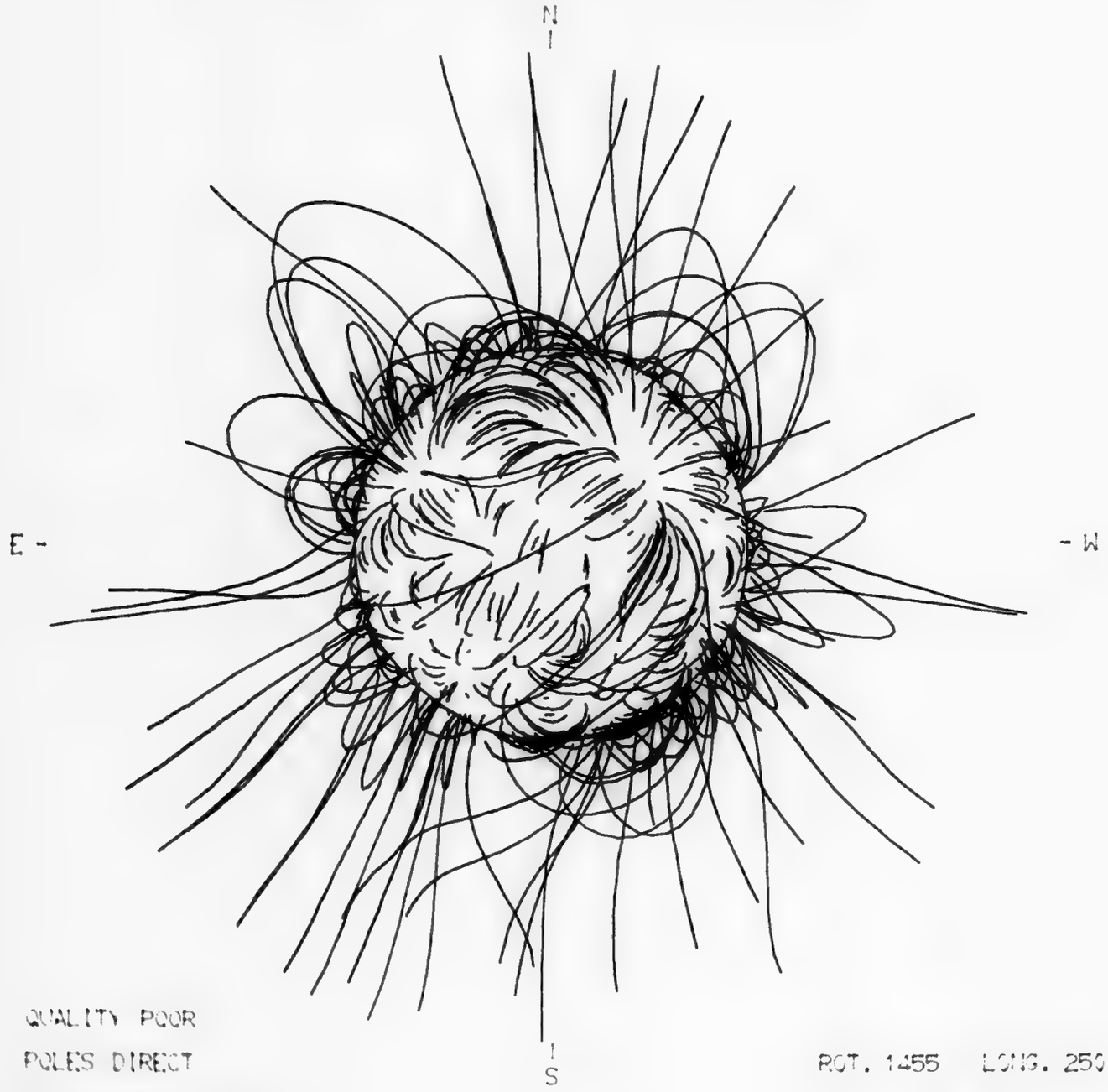
POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 250°

17.7 JUL 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 250°

18.5 JUN 1962

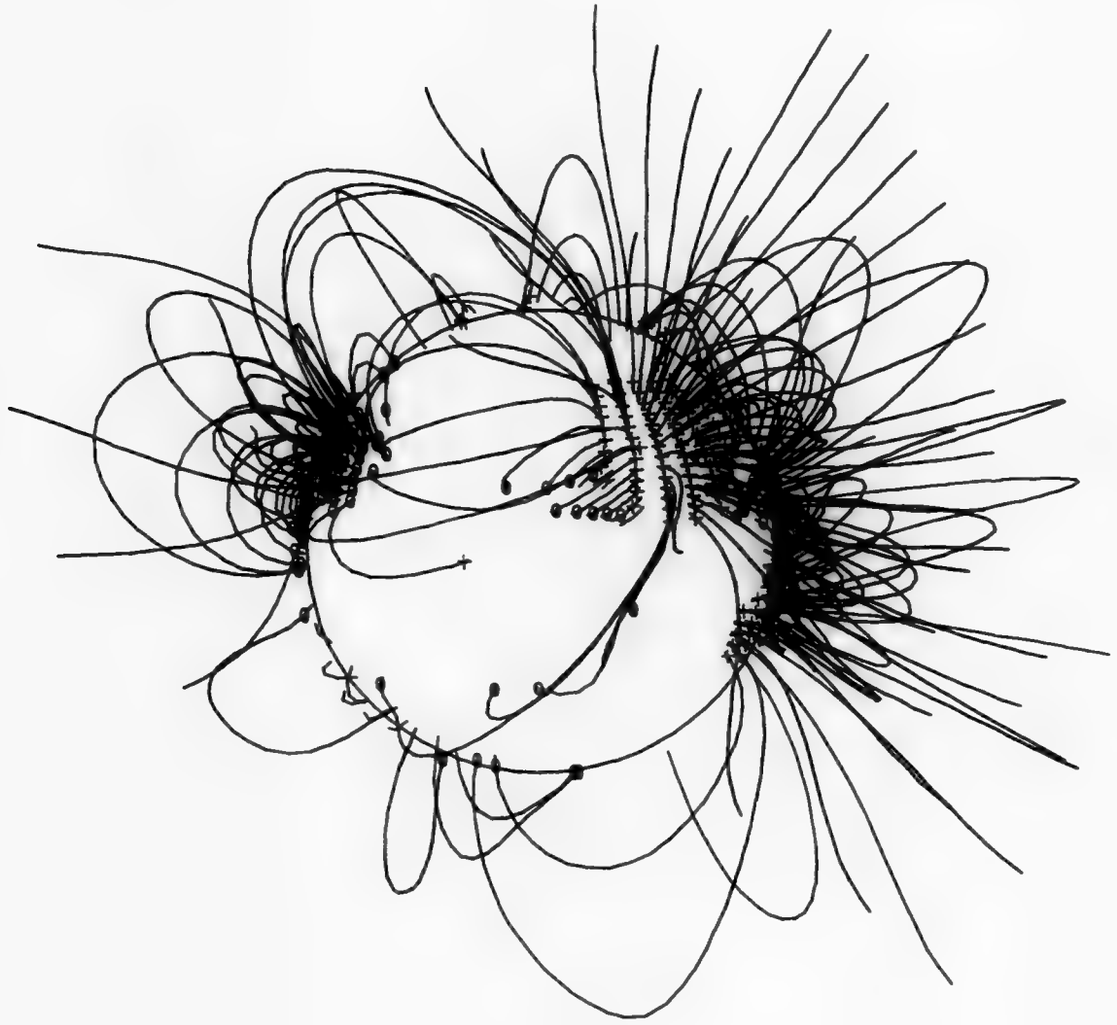
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

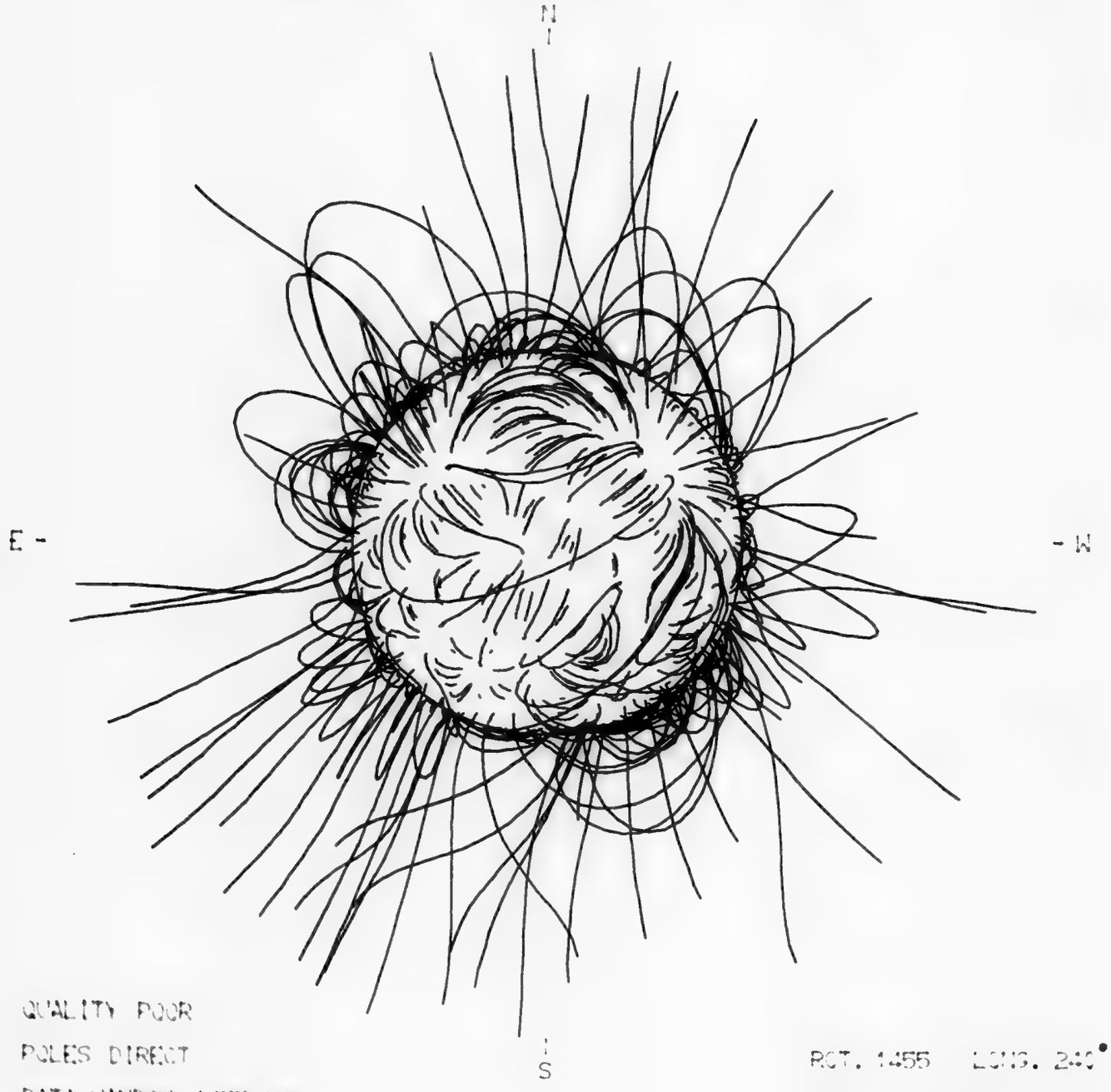
POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 250°

18.5 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.055,.00

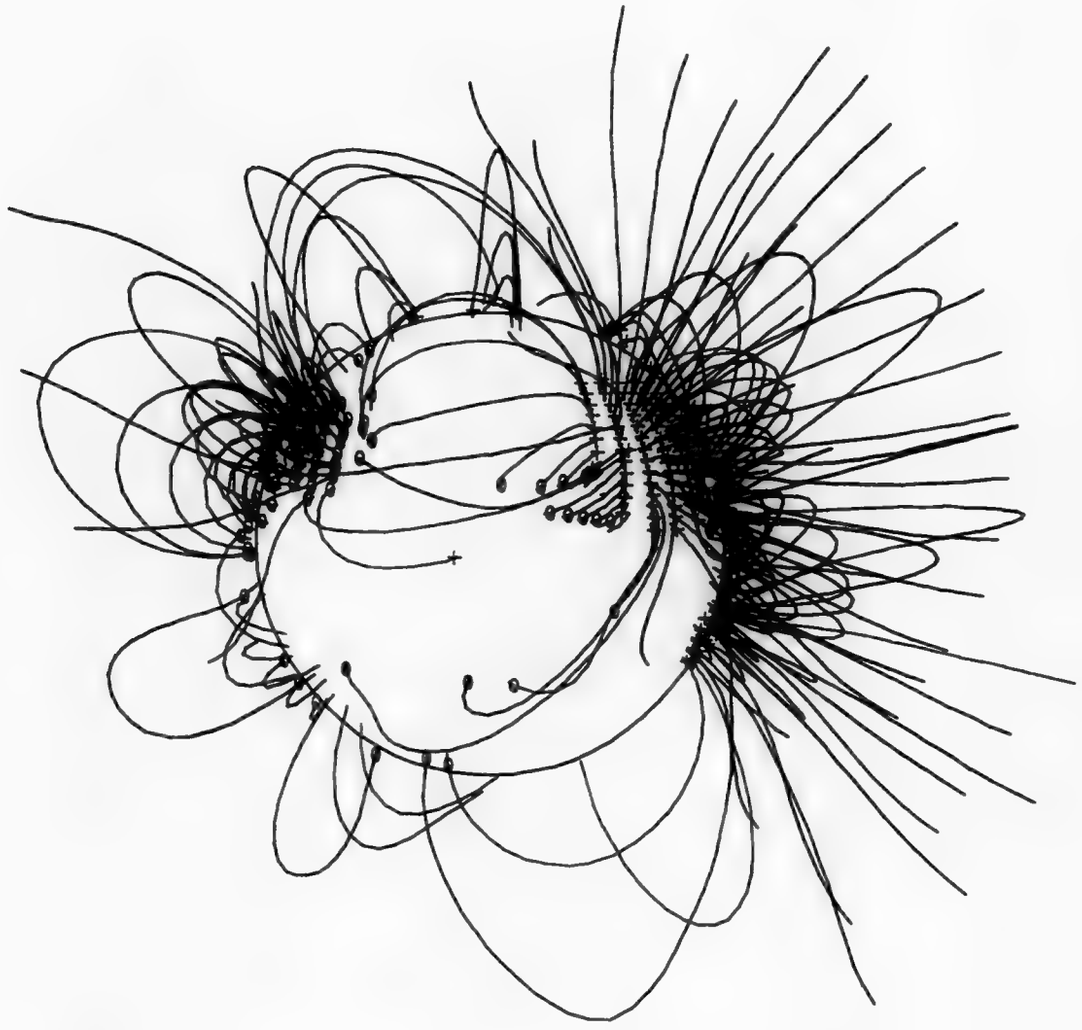
ROT. 1455 LONG. 240°

19.2 JUN 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

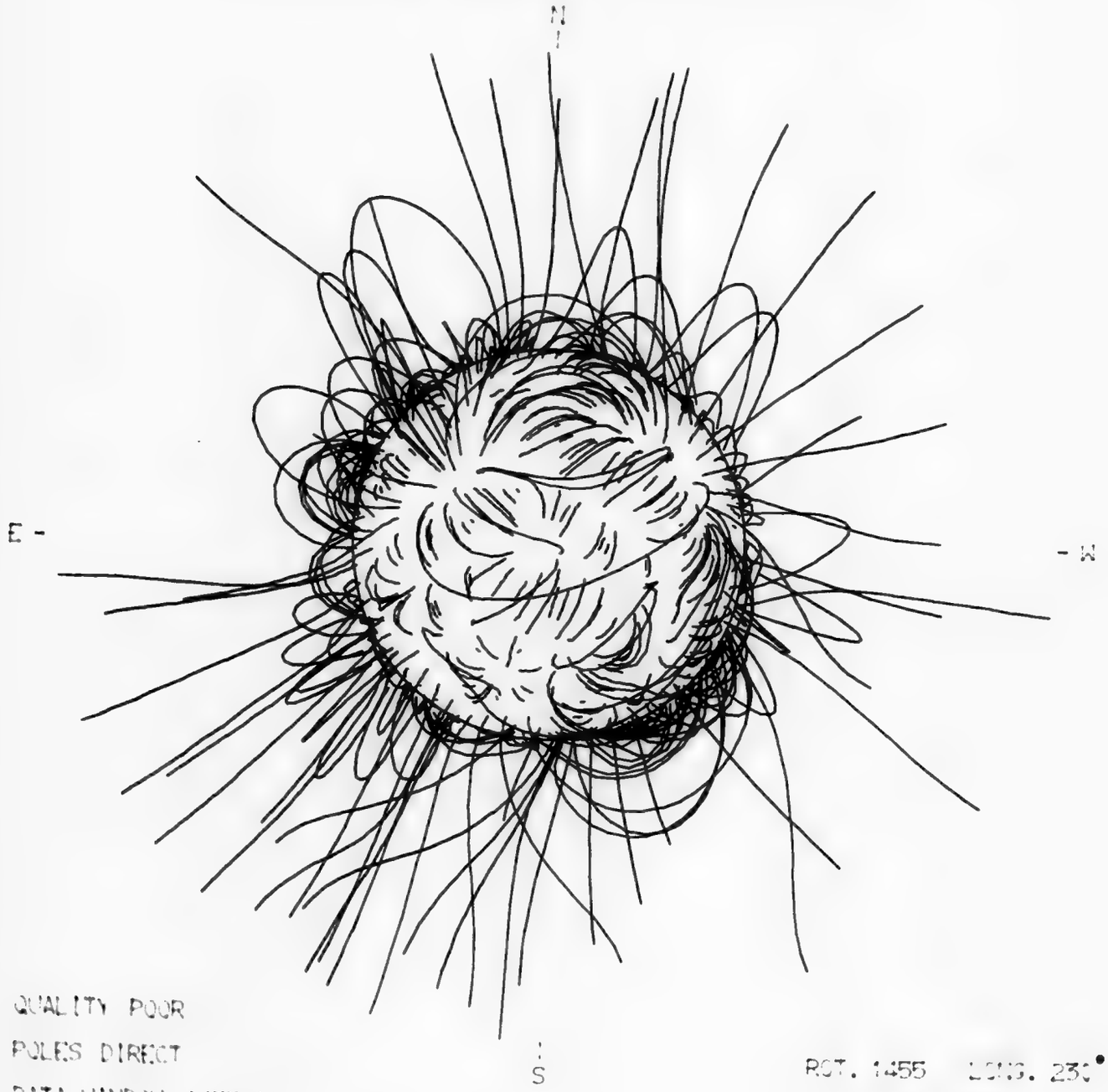
POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 240°

19.2 JUN 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1455.00

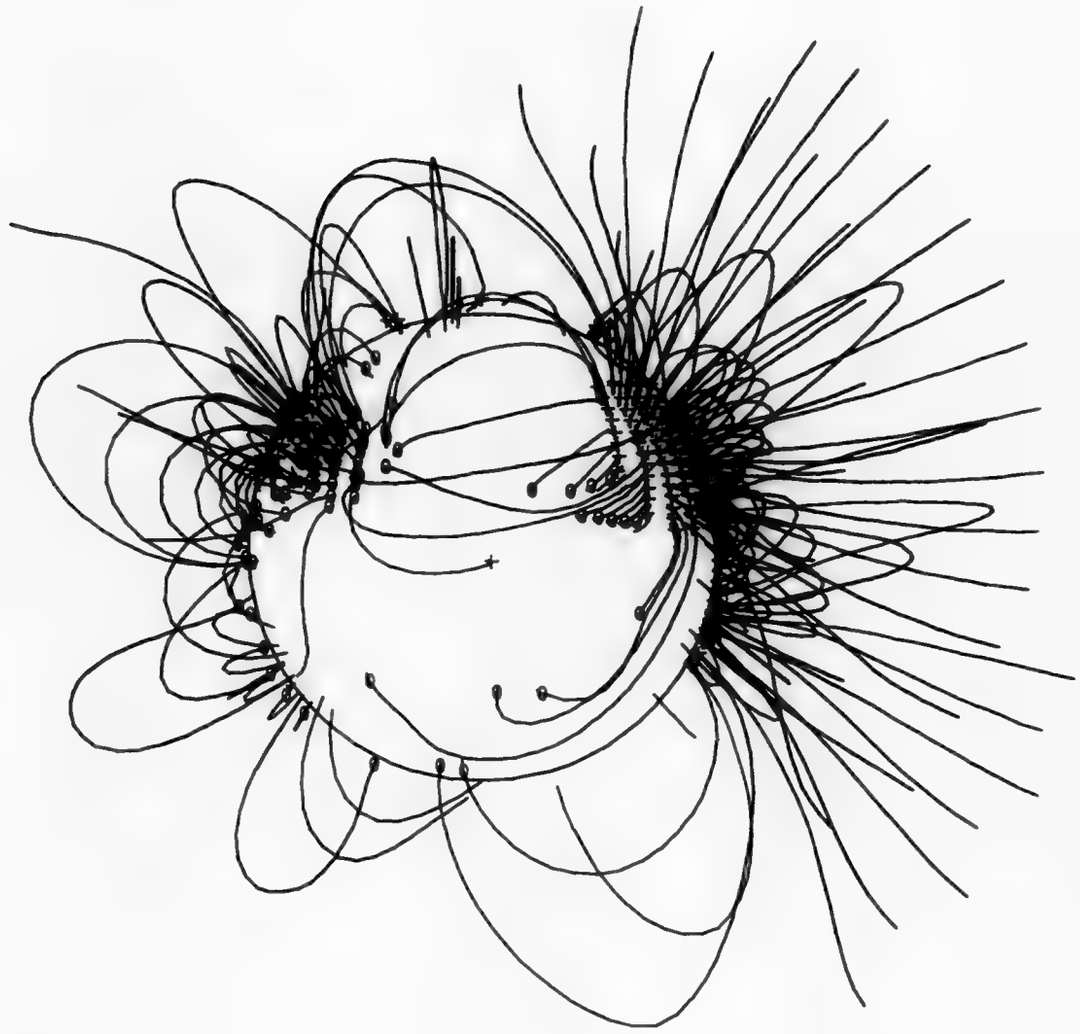
ROT. 1455 LONG. 230°

20.0 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

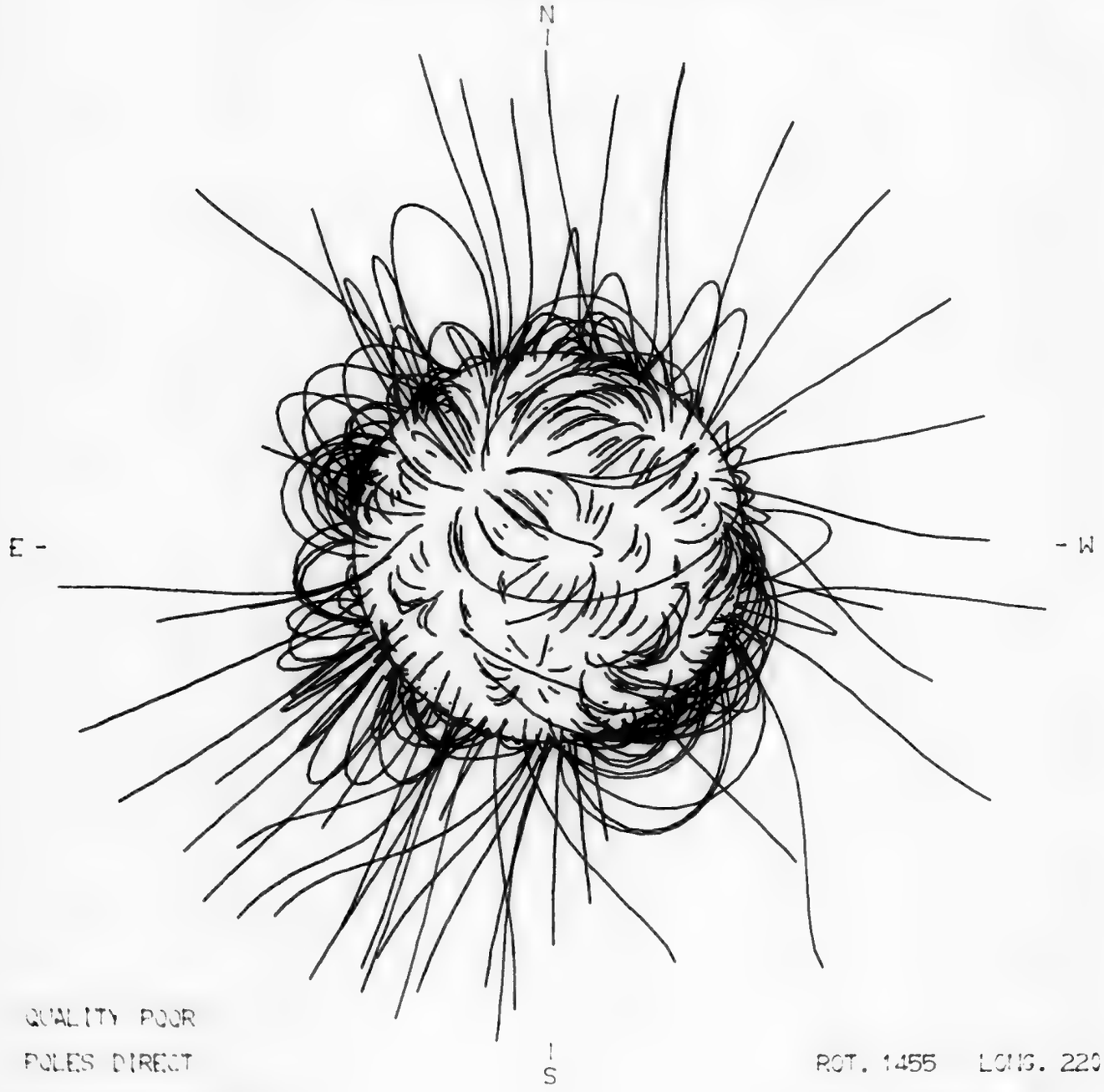
POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 230°

20.0 JUL 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1455.00

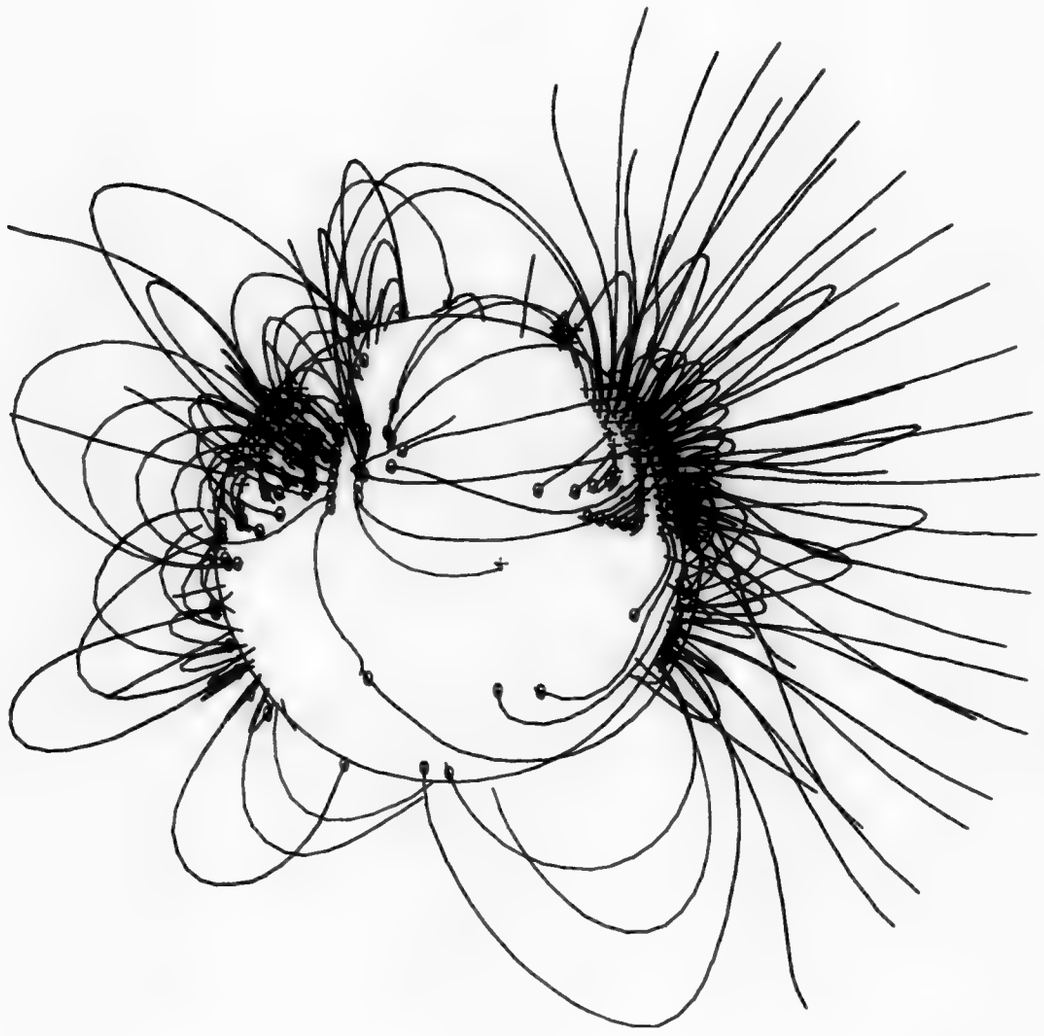
ROT. 1455 LONG. 220°

20.8 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

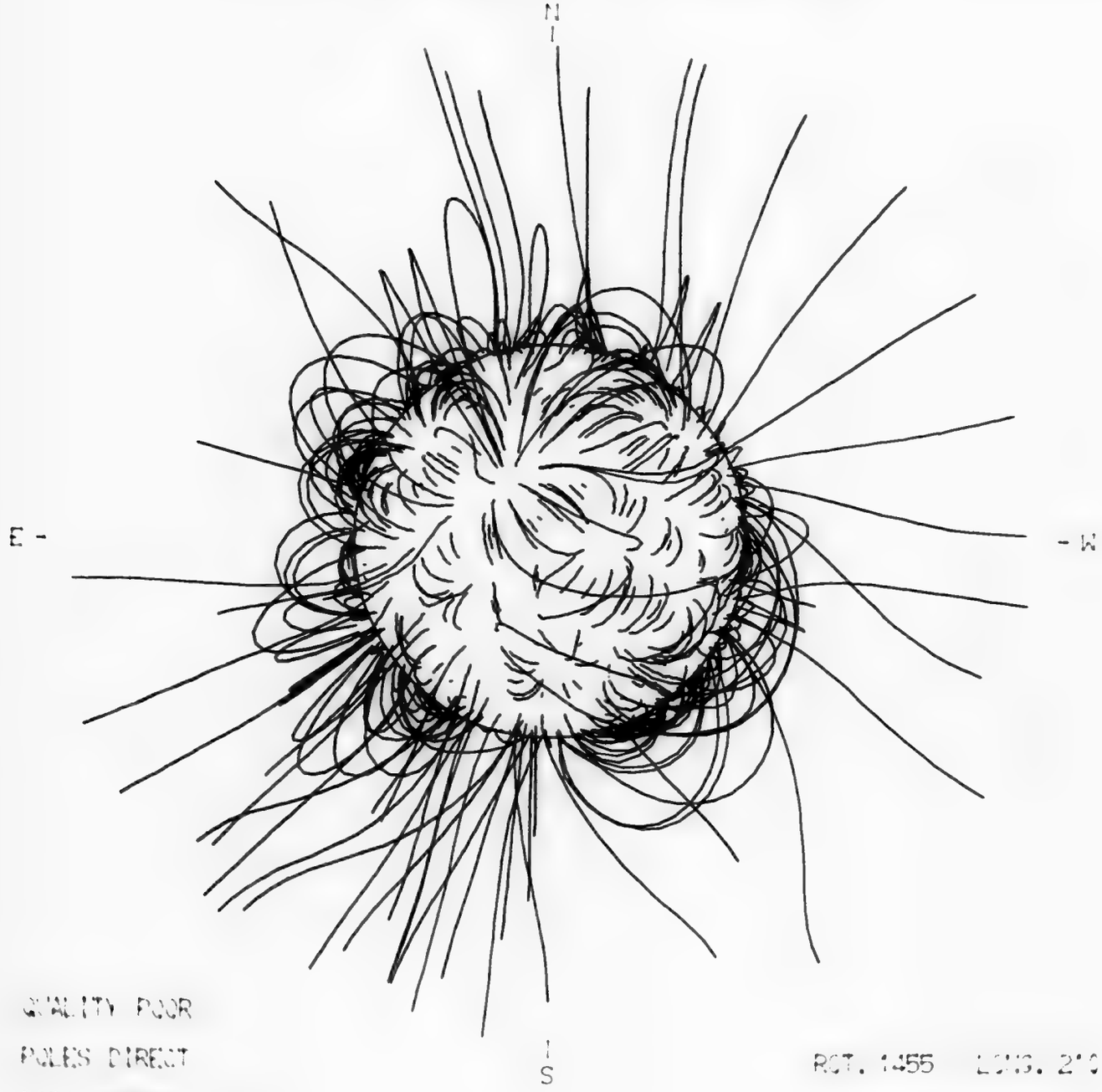
POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 220°

20.8 JUN 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1455.00

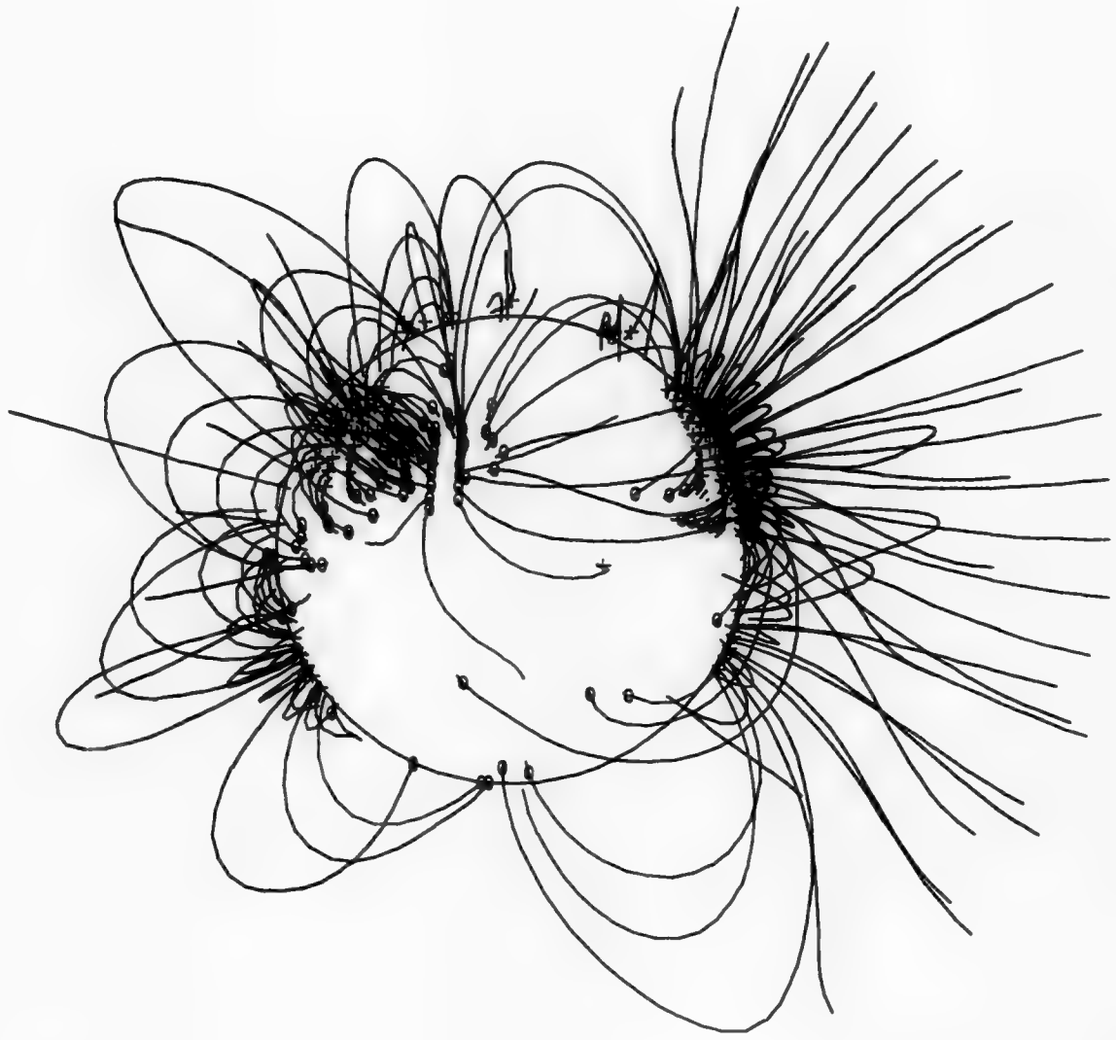
ROT. 1455 LONG. 21°

21.5 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

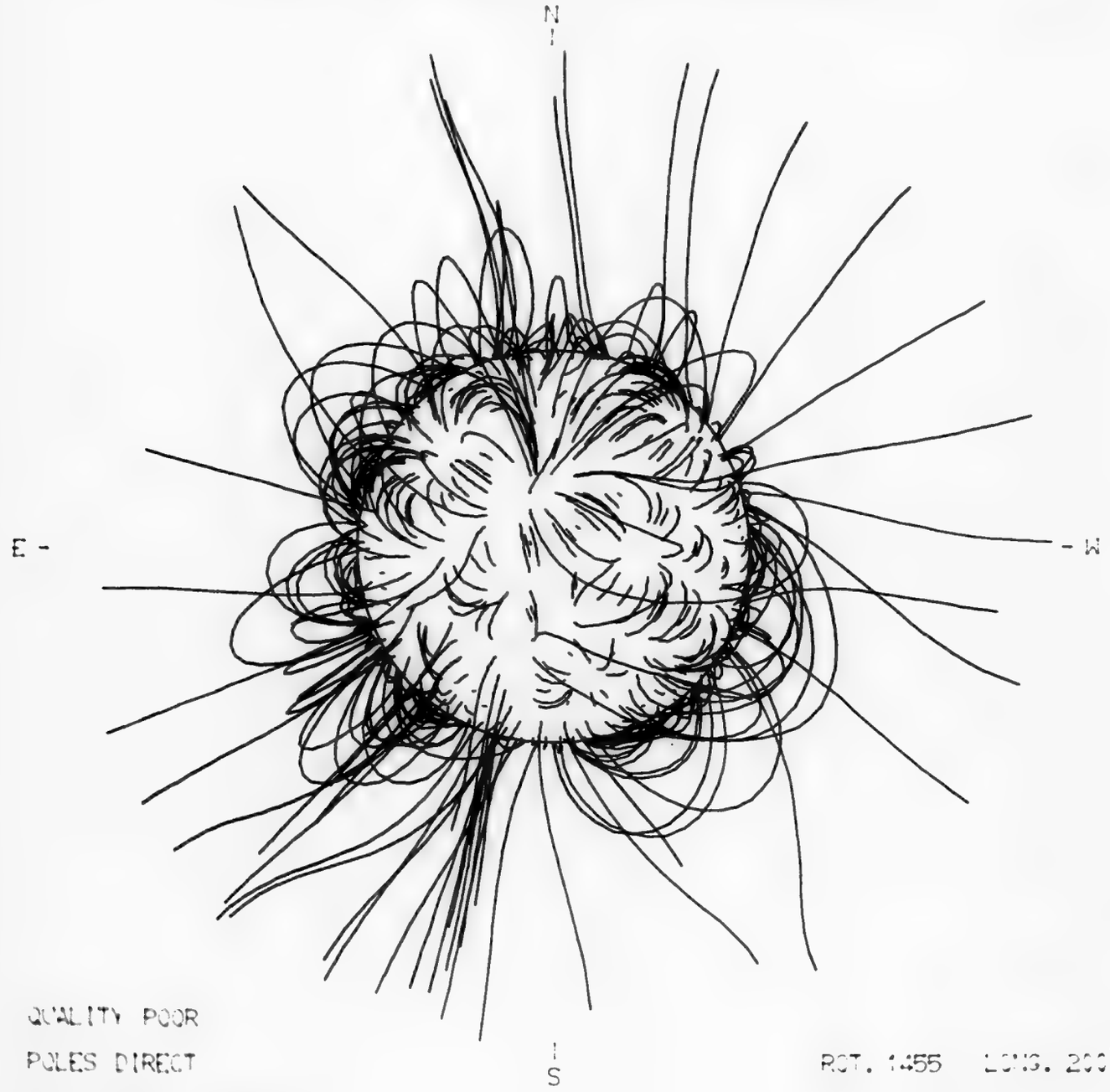
POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 210°

21.5 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 200°

22.3 JUL 1962

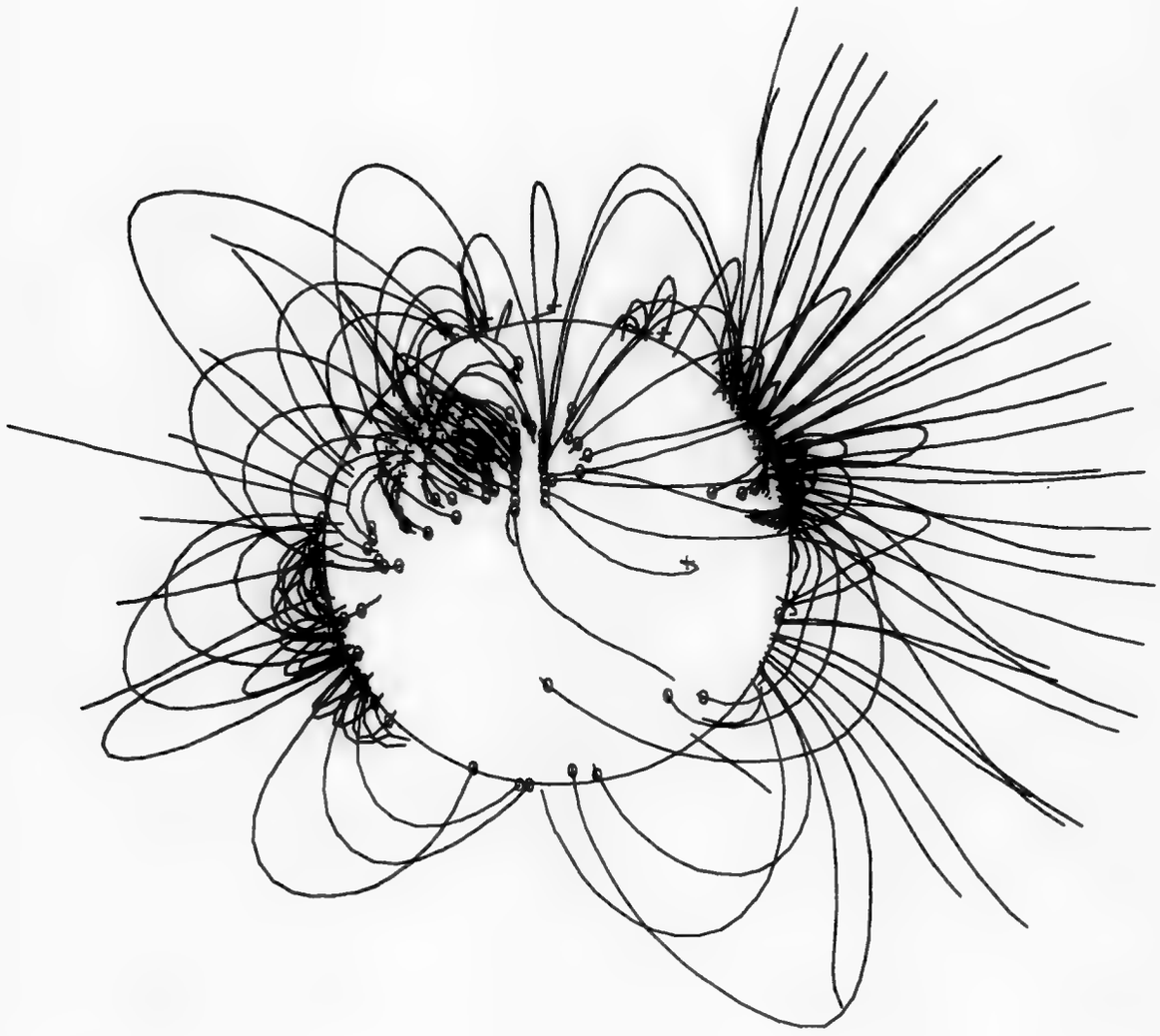
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

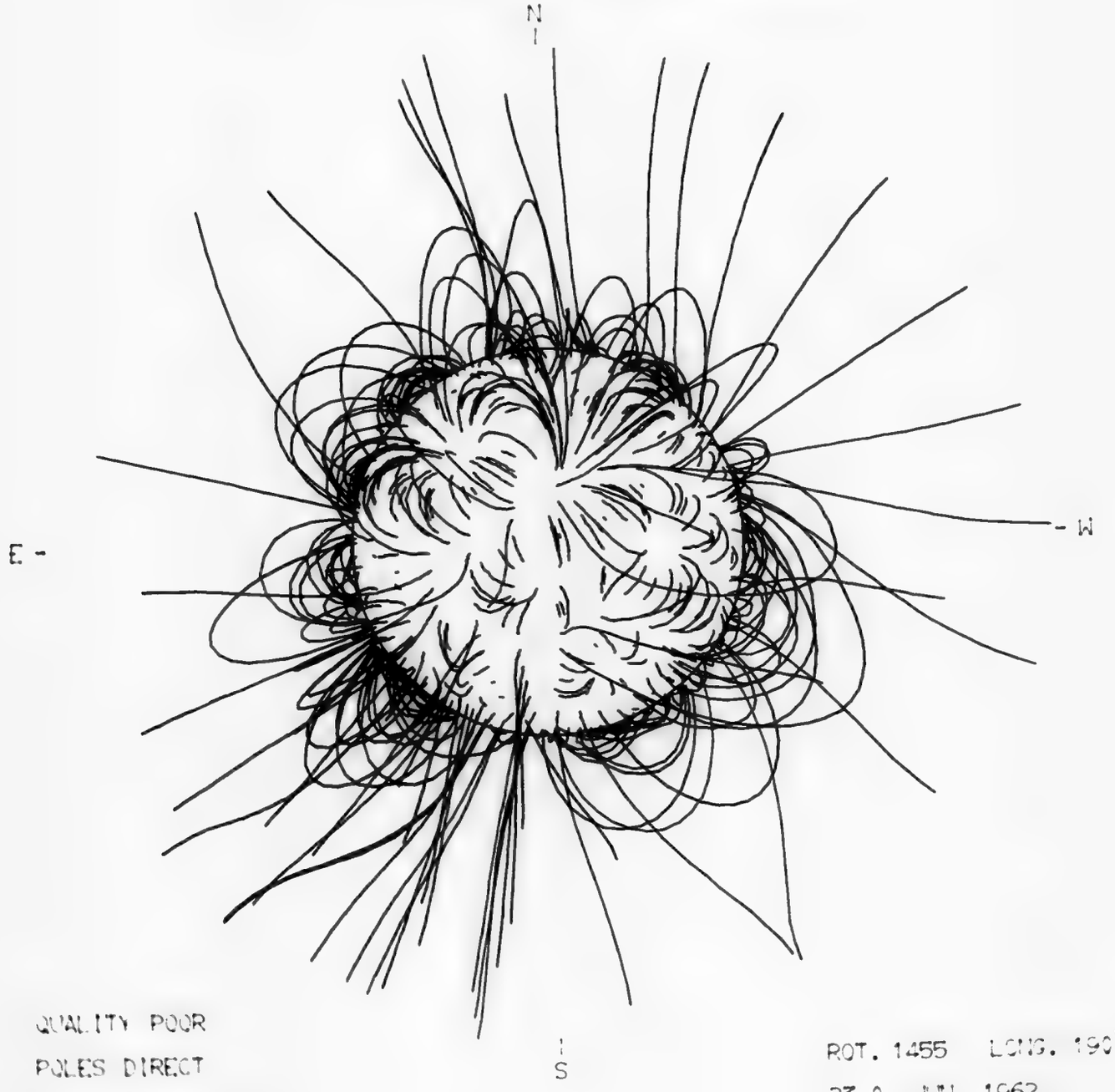
POLES DIRECT

DATA WINDOW 1.055.00

ROT. 1455 LONG. 200°

22.3 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1455.00

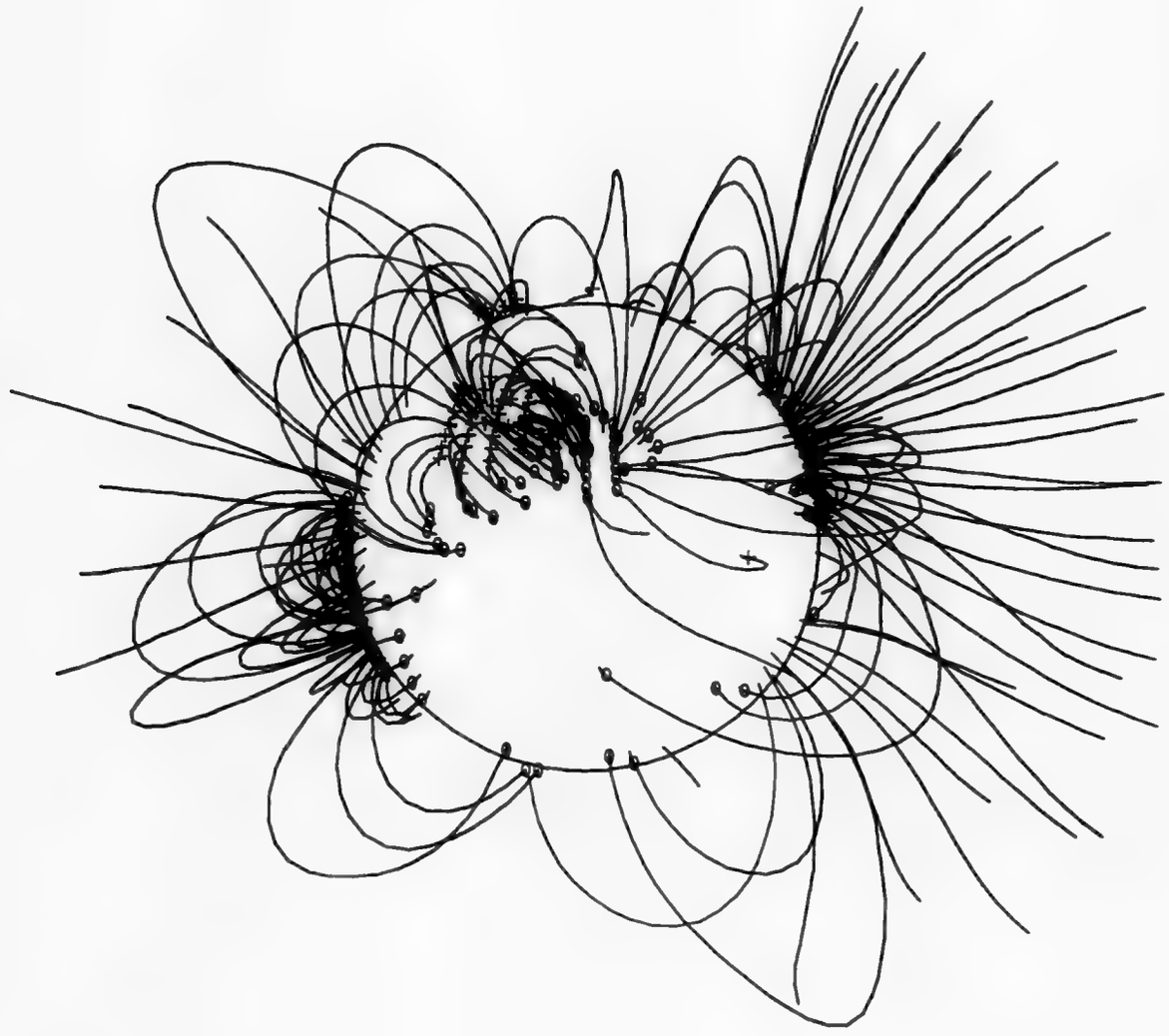
ROT. 1455 LONG. 190°

23.0 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

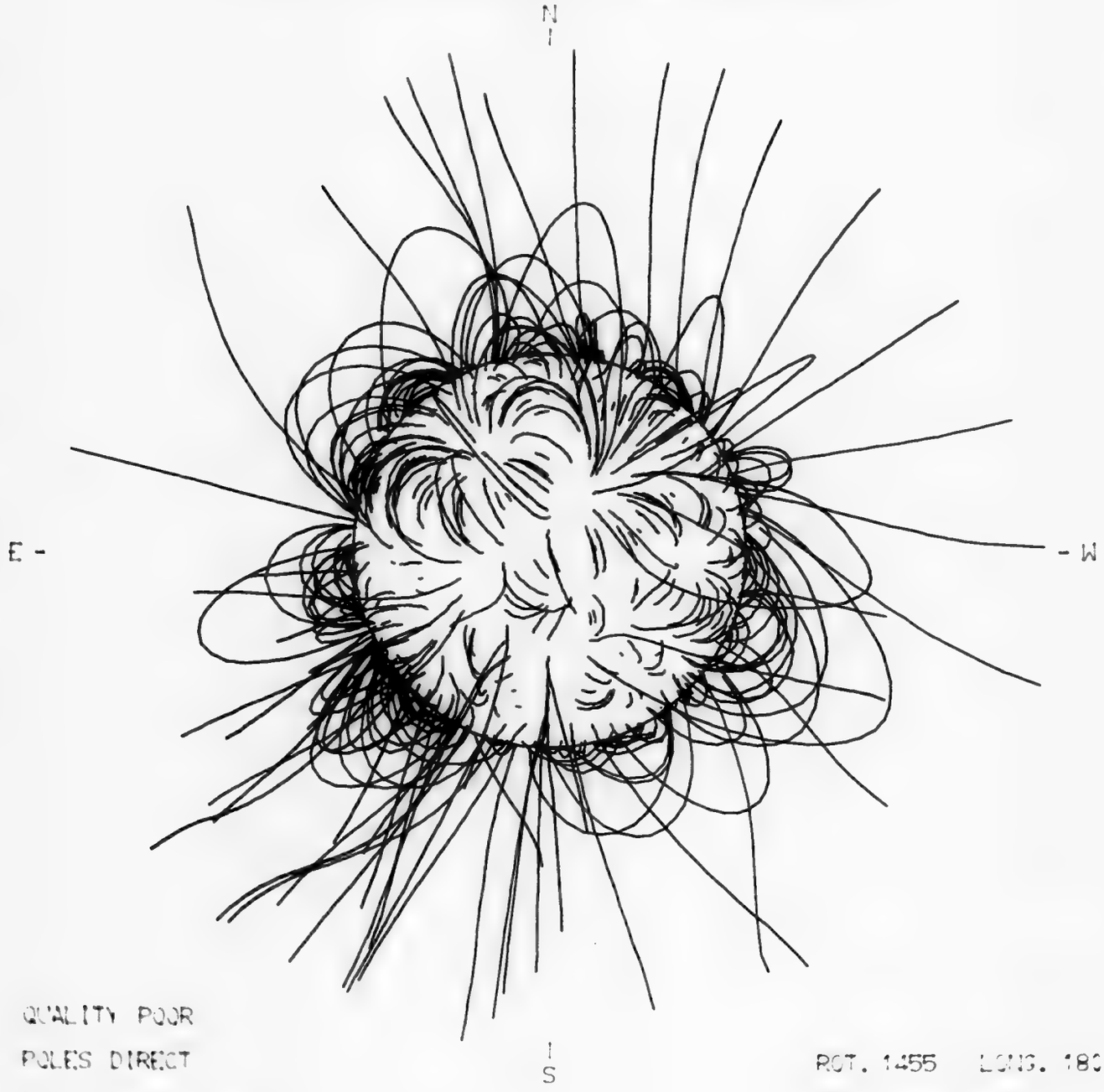
POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 190°

23.0 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

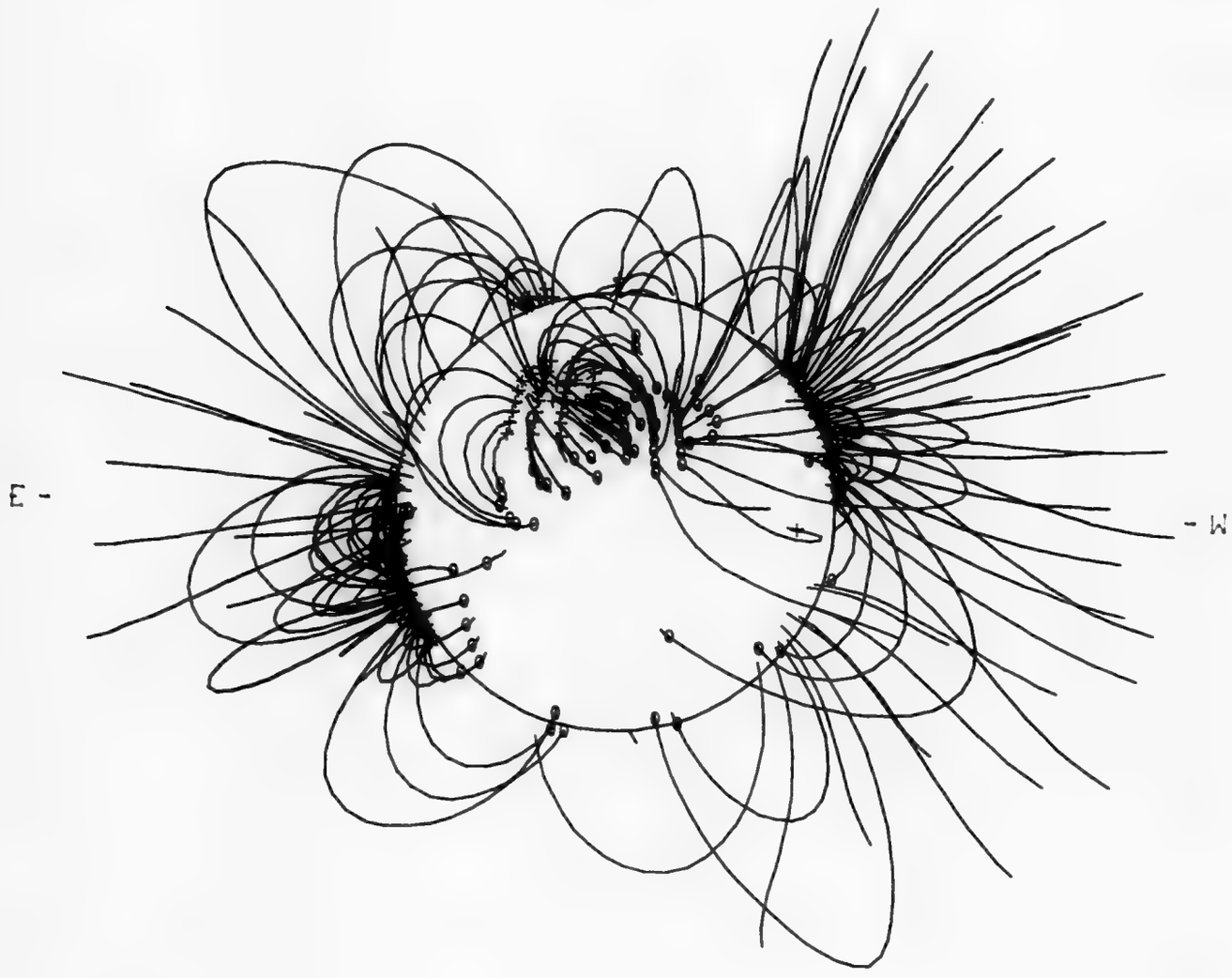
DATA WINDOW 1455.00

ROT. 1455 LONG. 180°

23.8 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



QUALITY POOR

POLES DIRECT

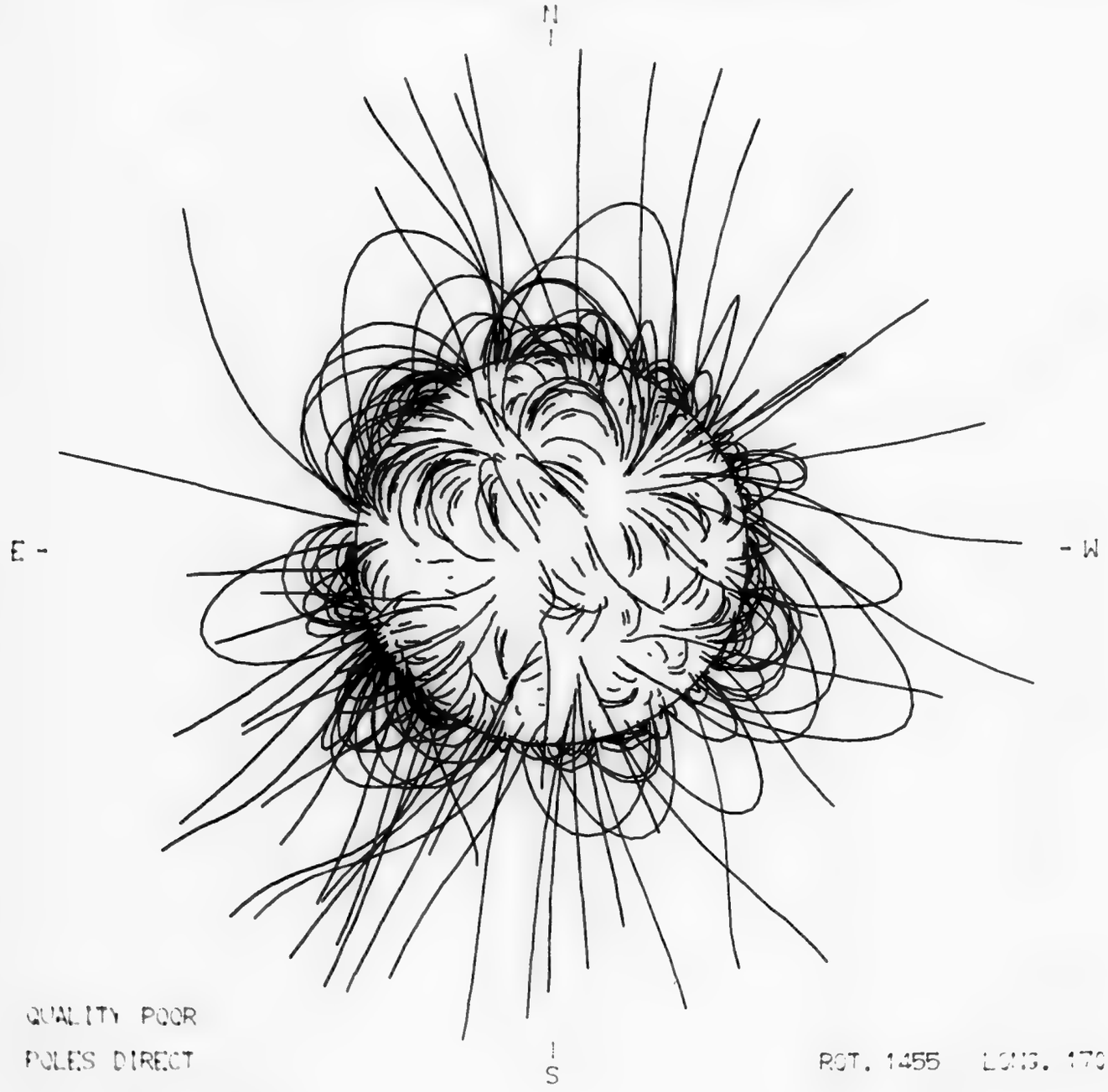
DATA WINDOW 1.555.00

S

ROT. 1455 LONG. 180°

23.8 JUL! 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 170°

24.6 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

QUALITY POOR

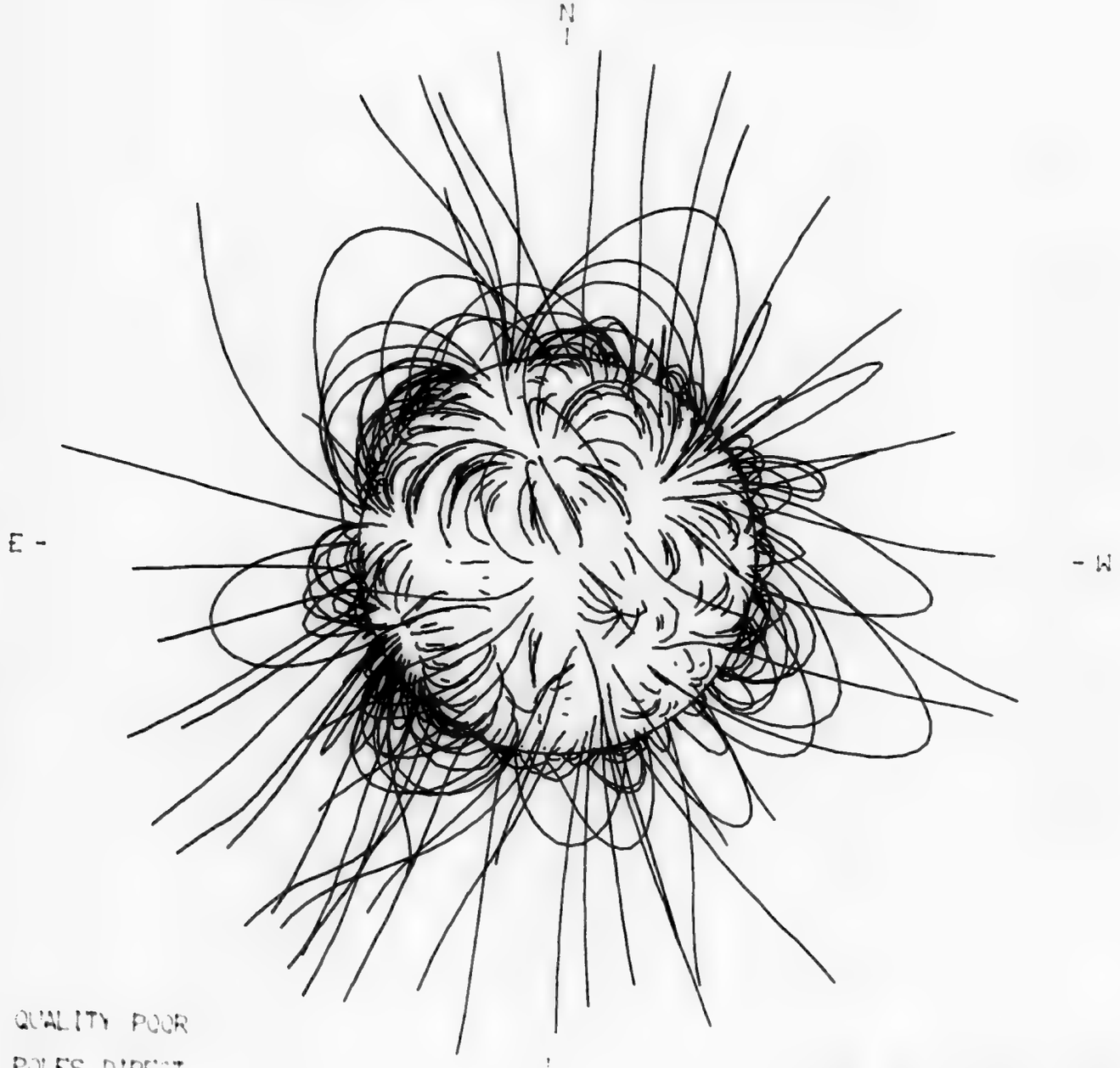
POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 179°

24.6 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

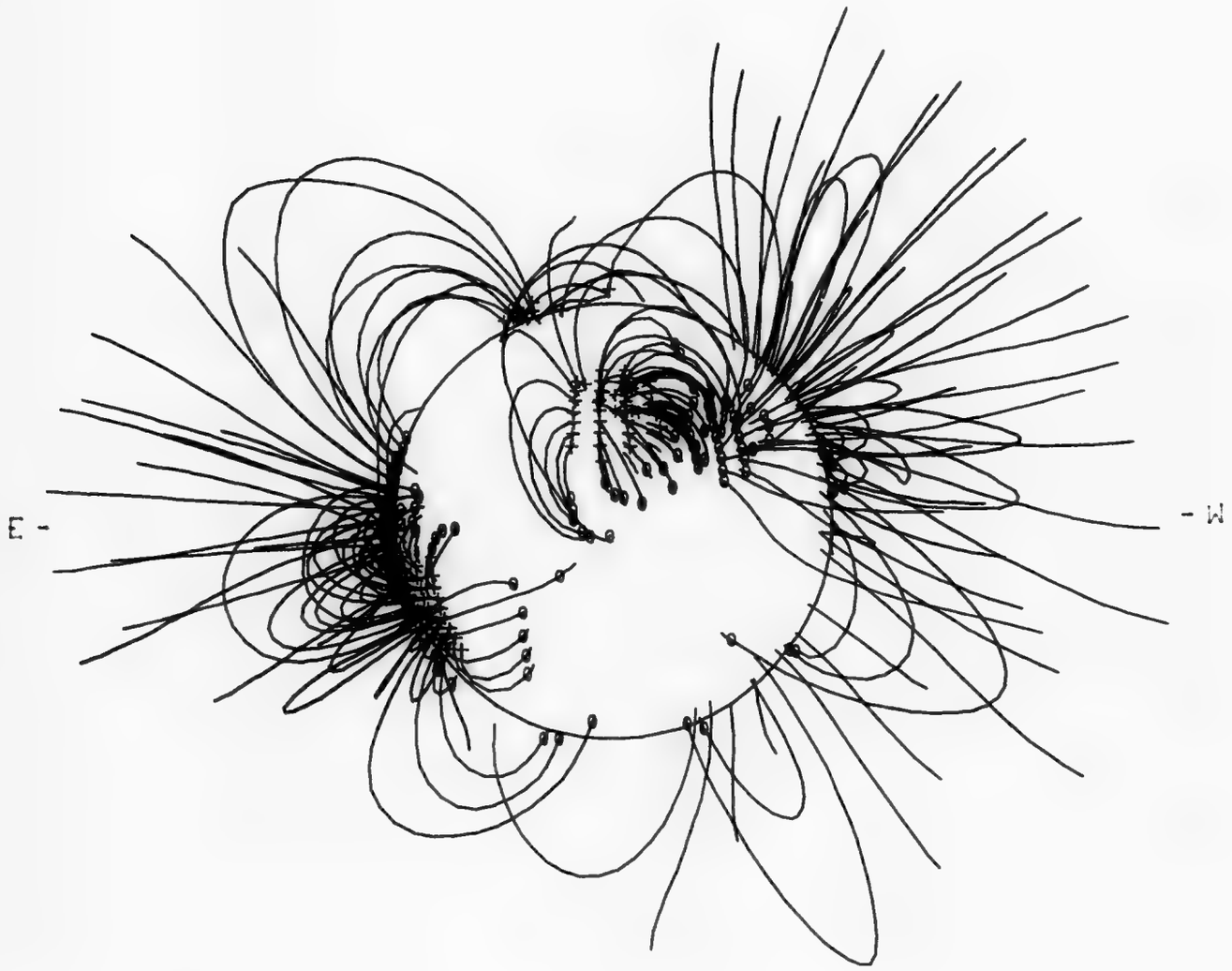
POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 150°

25.3 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

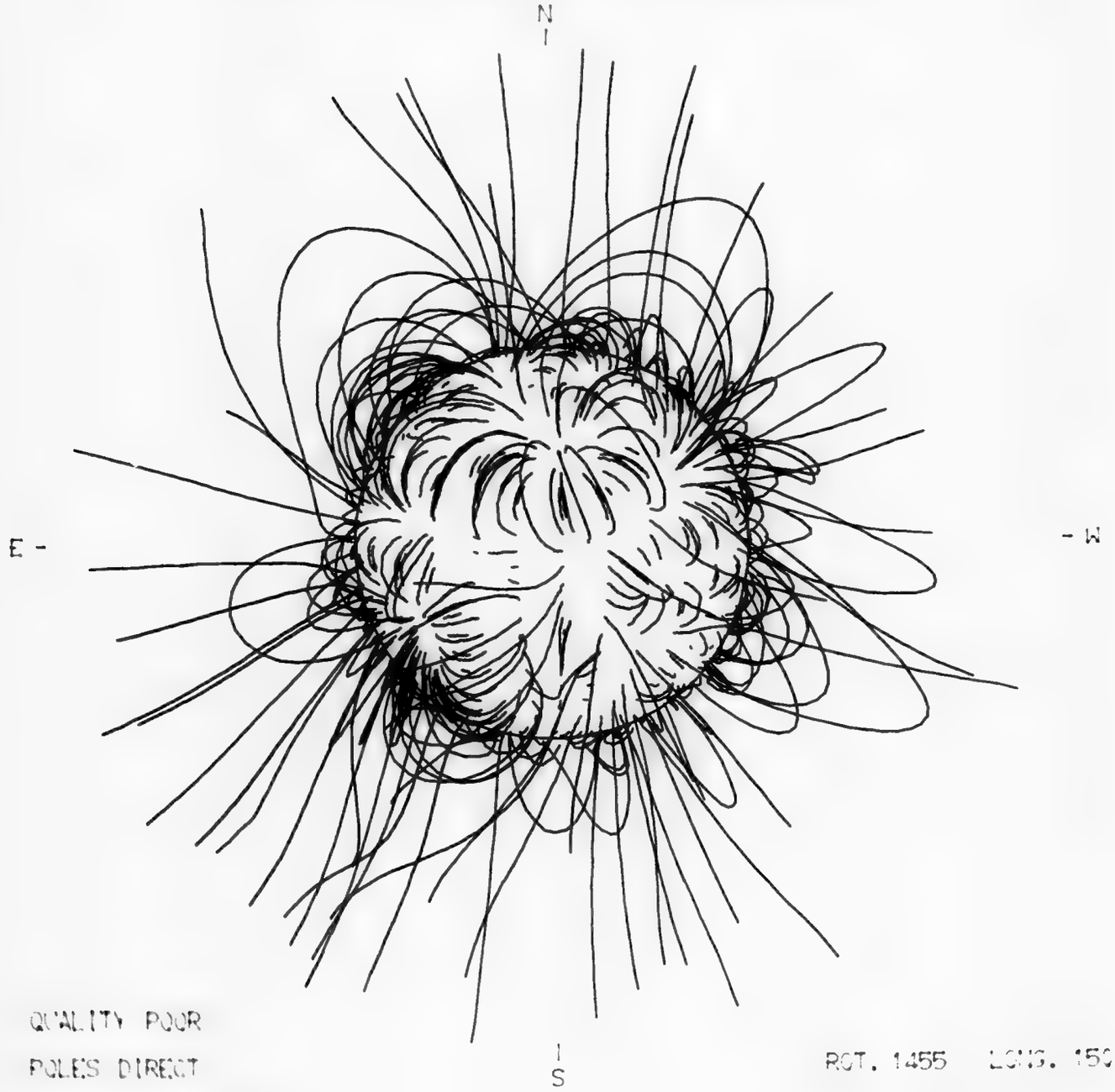
POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 160°

25.3 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 150°

26.1 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

QUALITY POOR

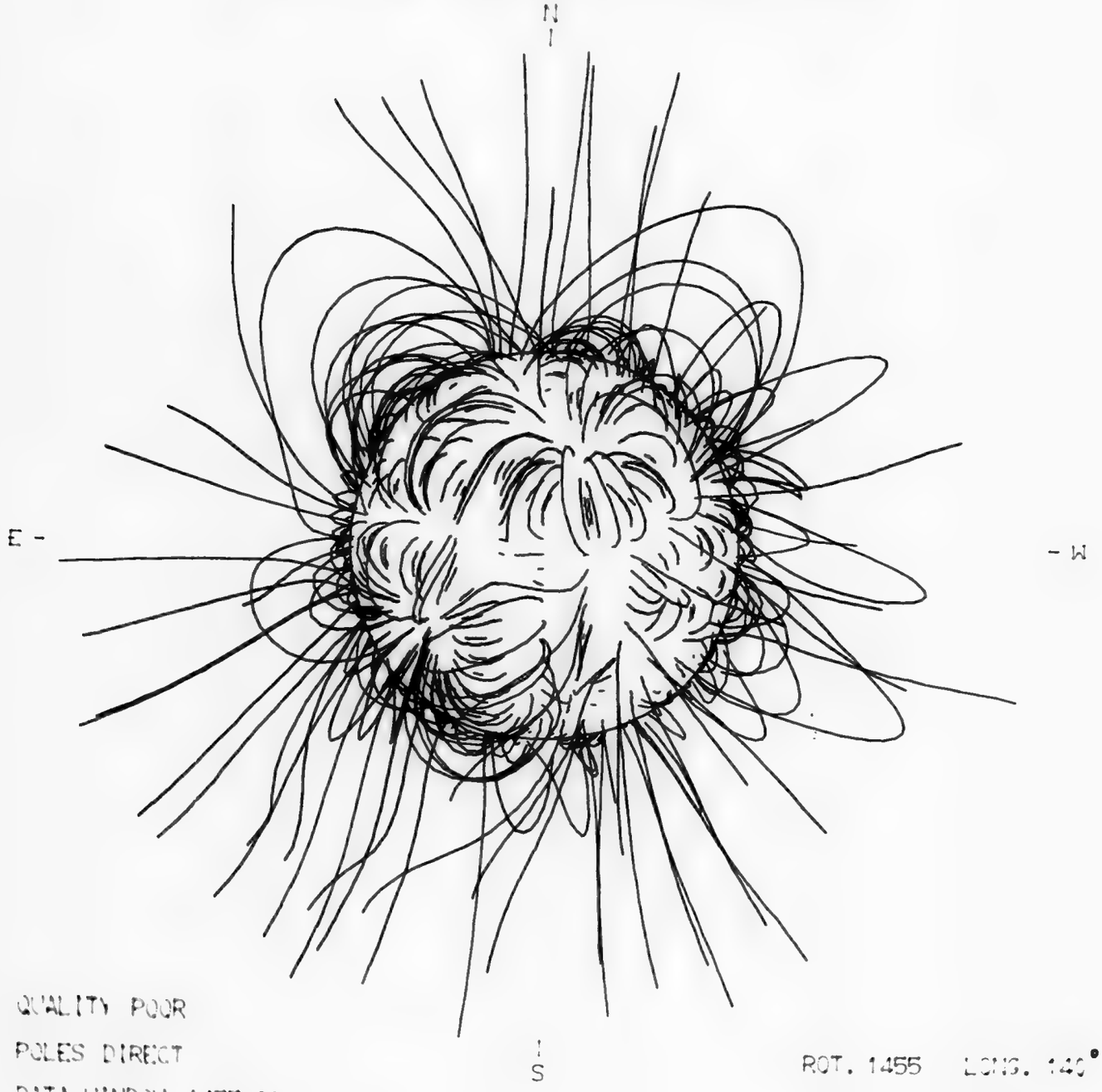
POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 150°

26.1 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

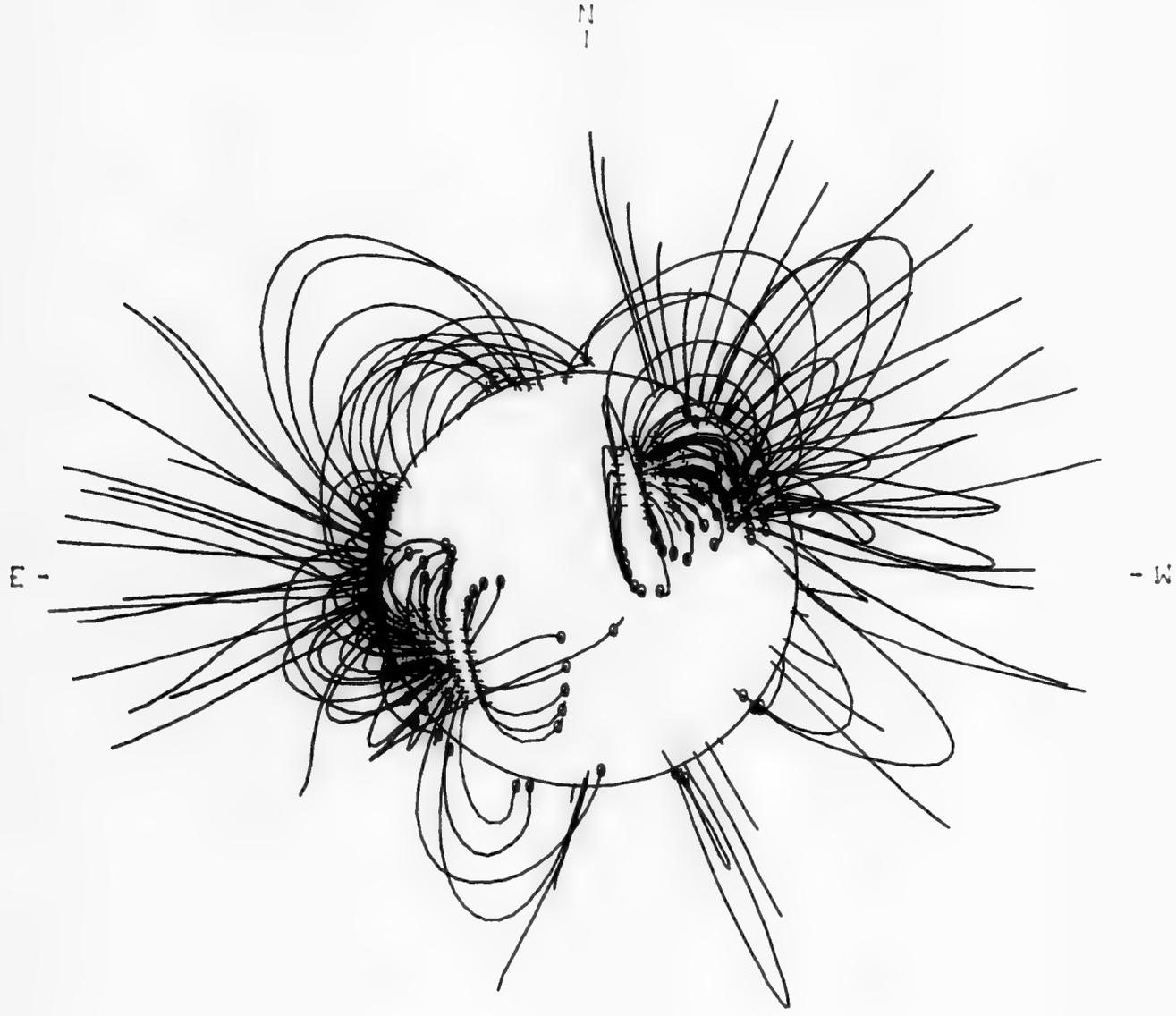
POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 140°

26.8 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

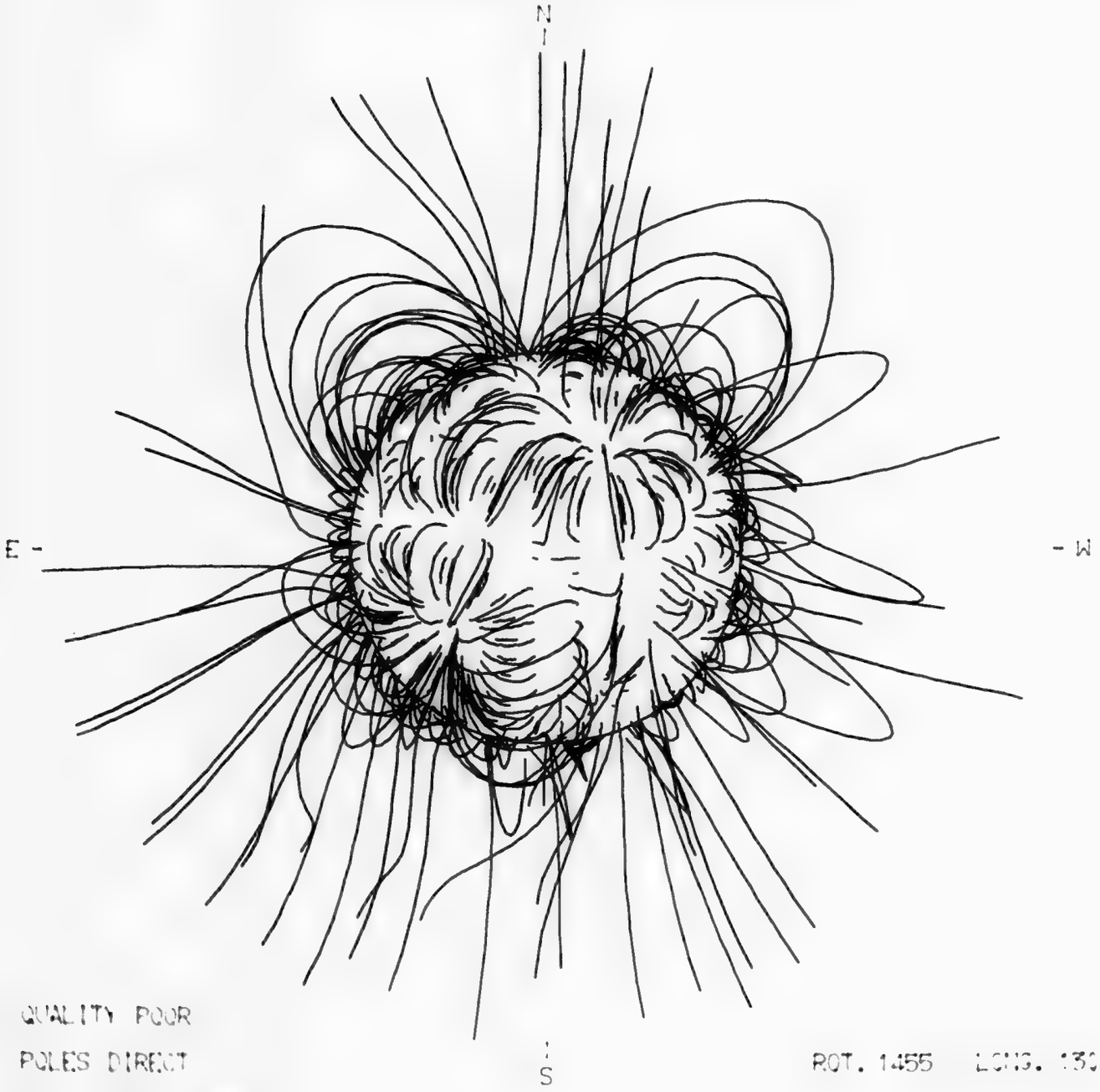
POLES DIRECT

DATA WINDOW 1355.00

ROT. 1455 LONG. 140°

26.8 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 130°

27.6 JUN 1962

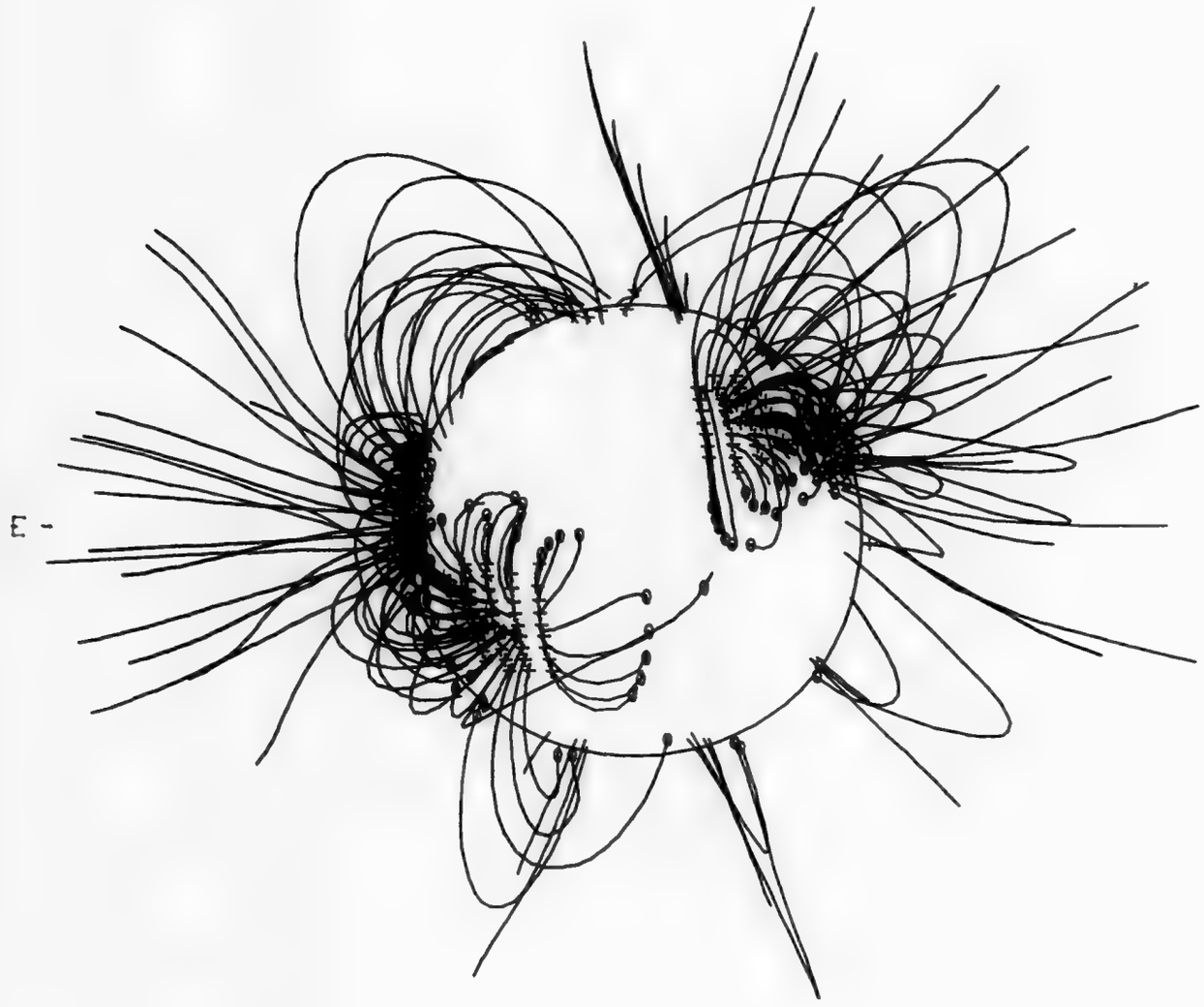
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

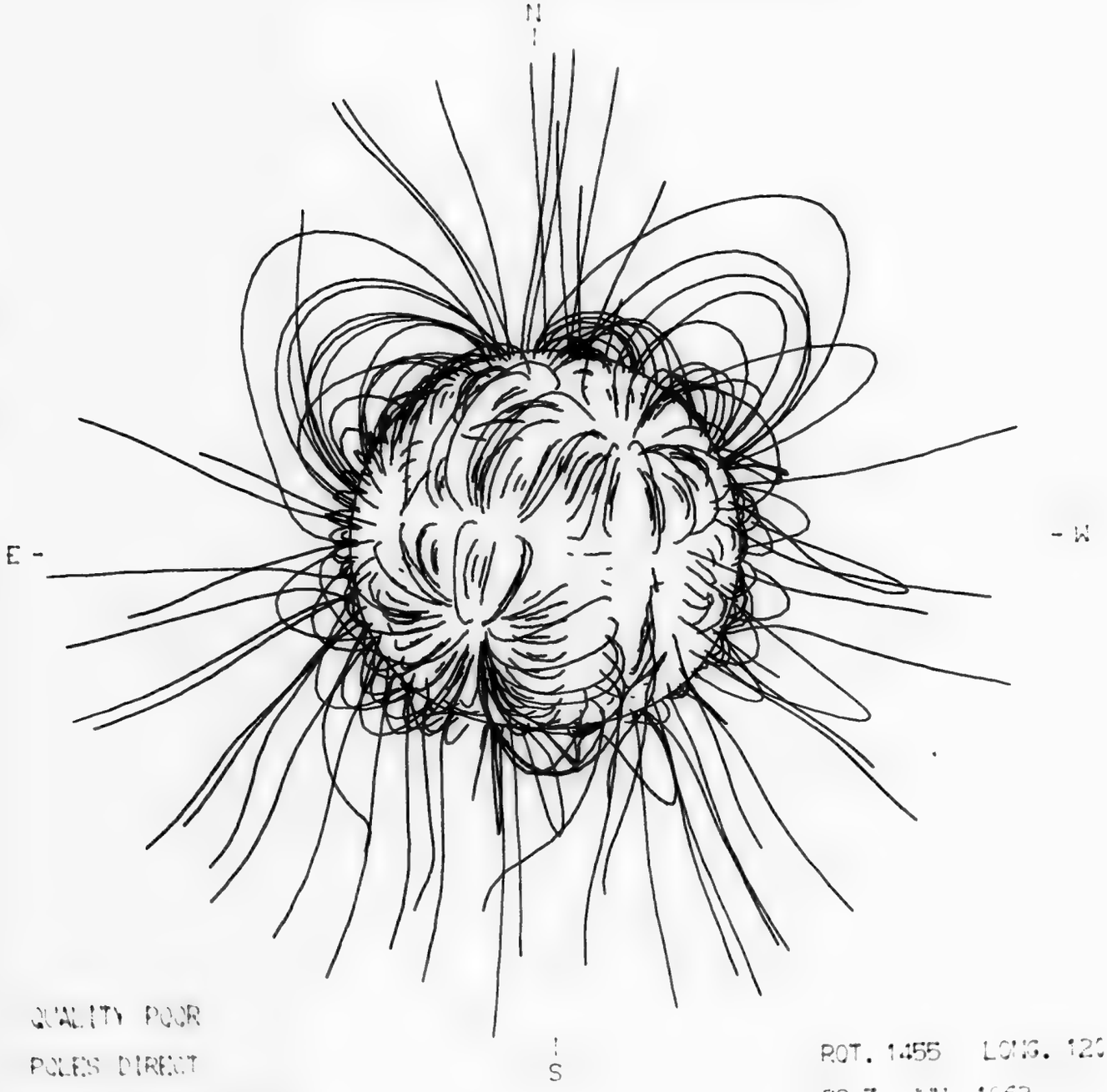
POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 130°

27.6 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

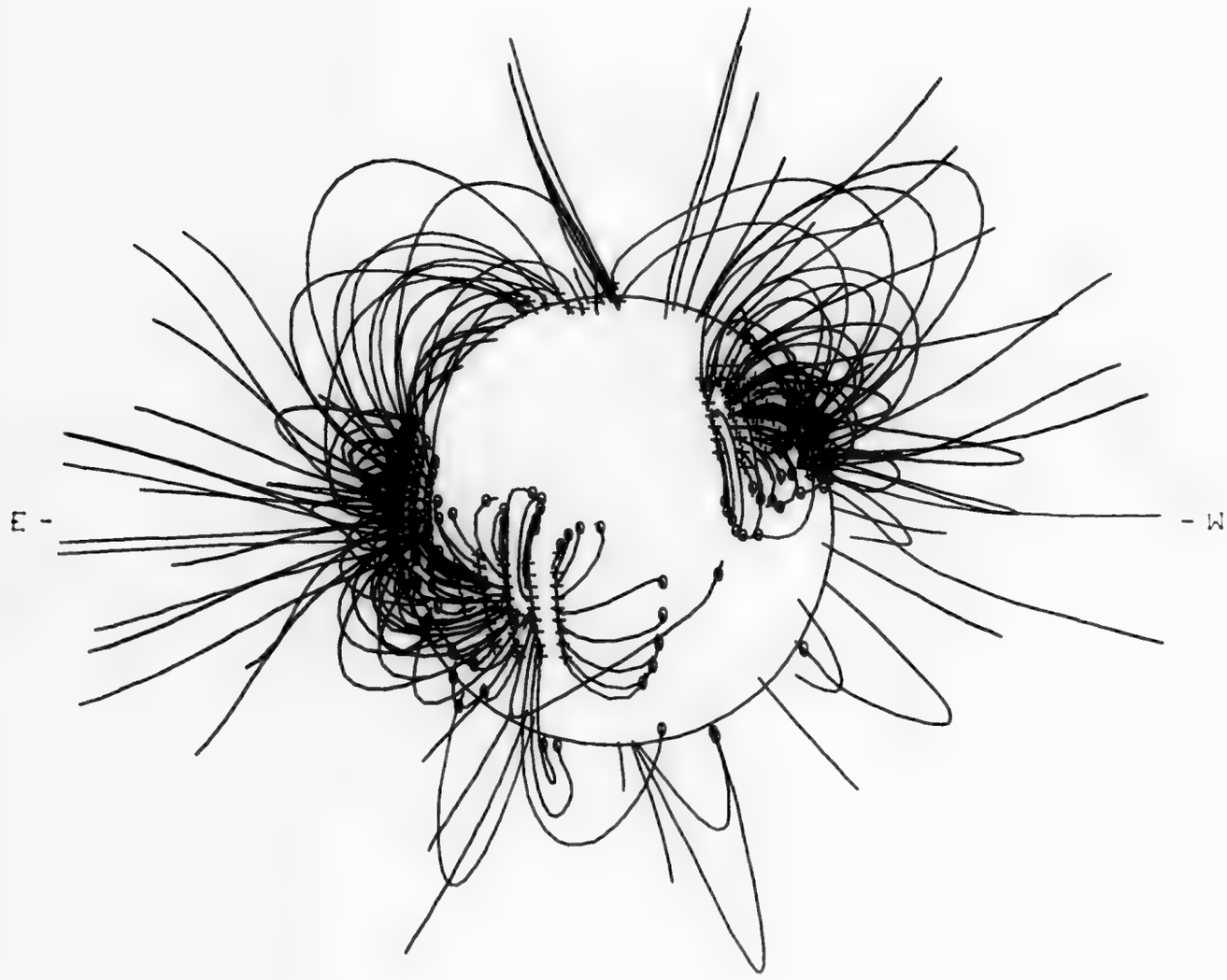
POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 120°

28.3 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

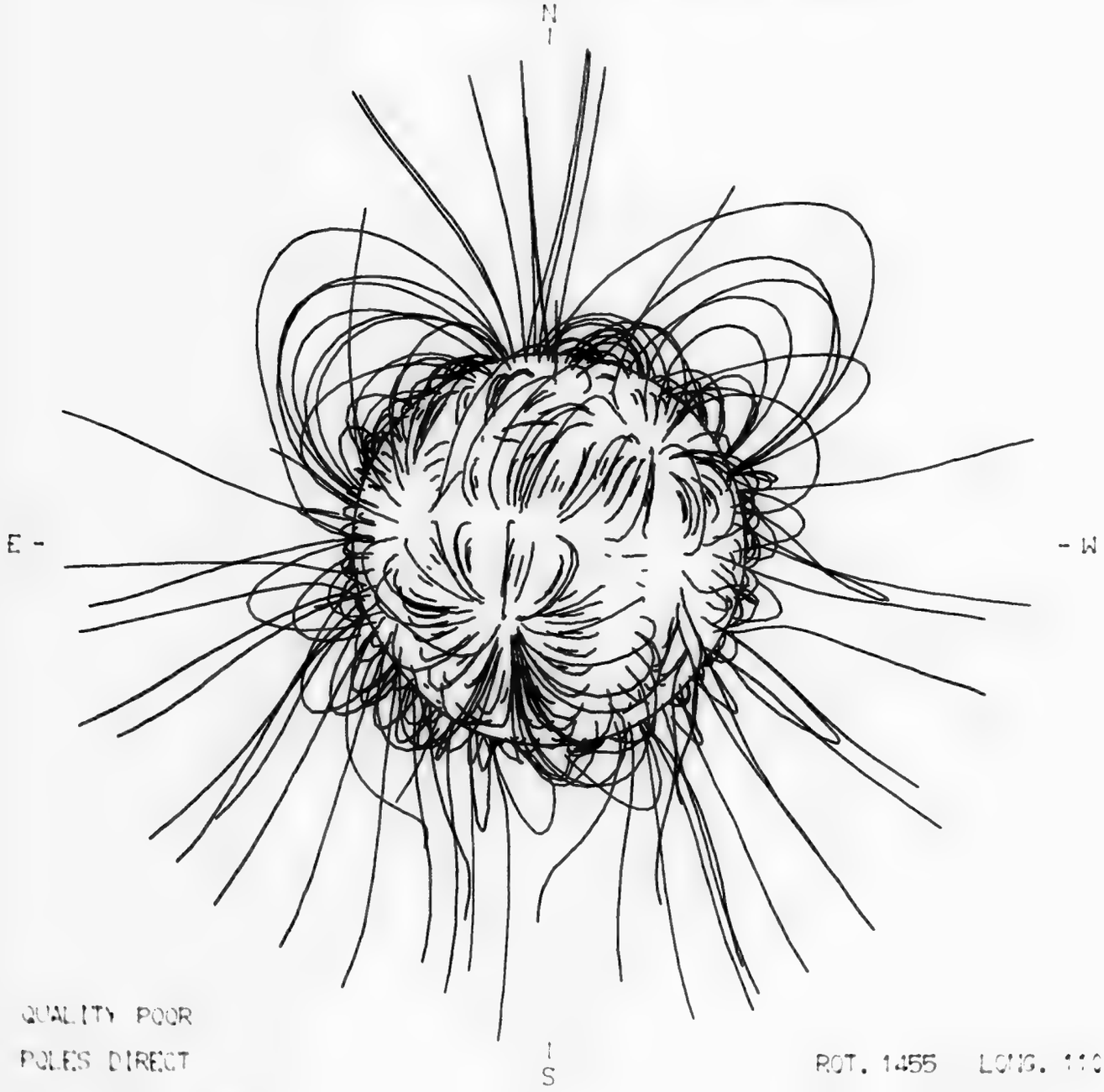
POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 120°

28.3 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

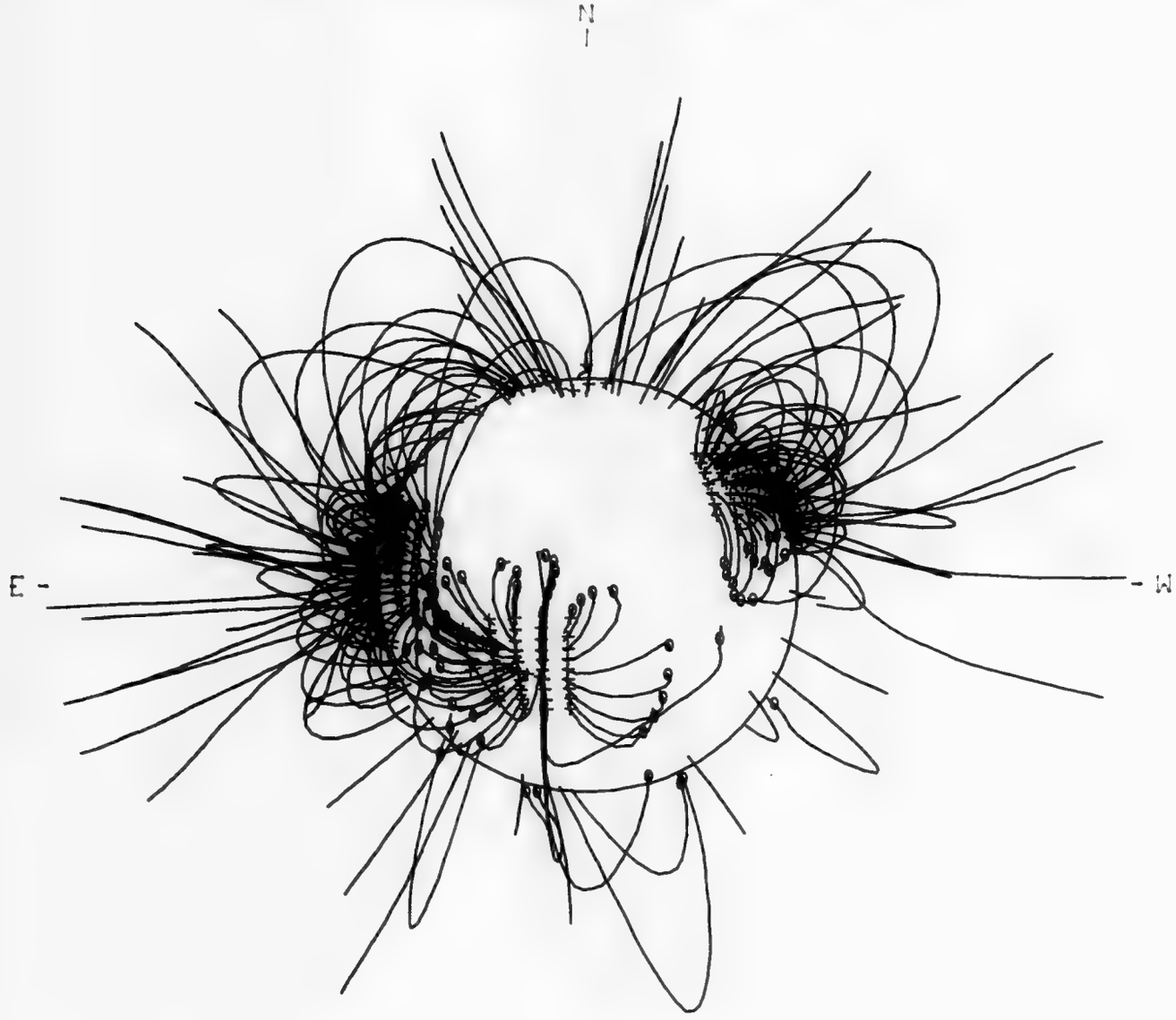
POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 110°

29.1 JUN 1962

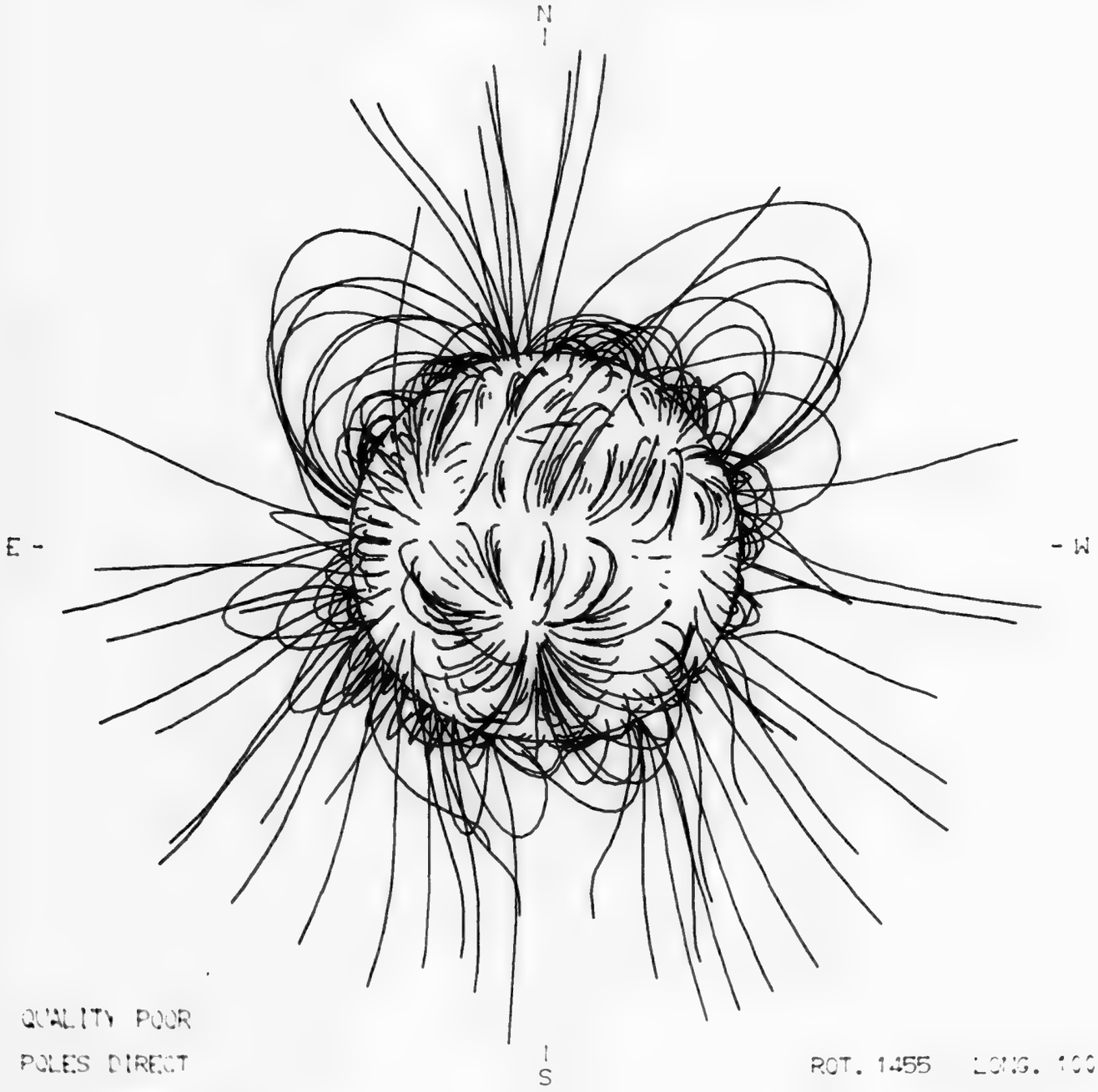
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1455.00

ROT. 1455 LONG. 110°
29.1 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

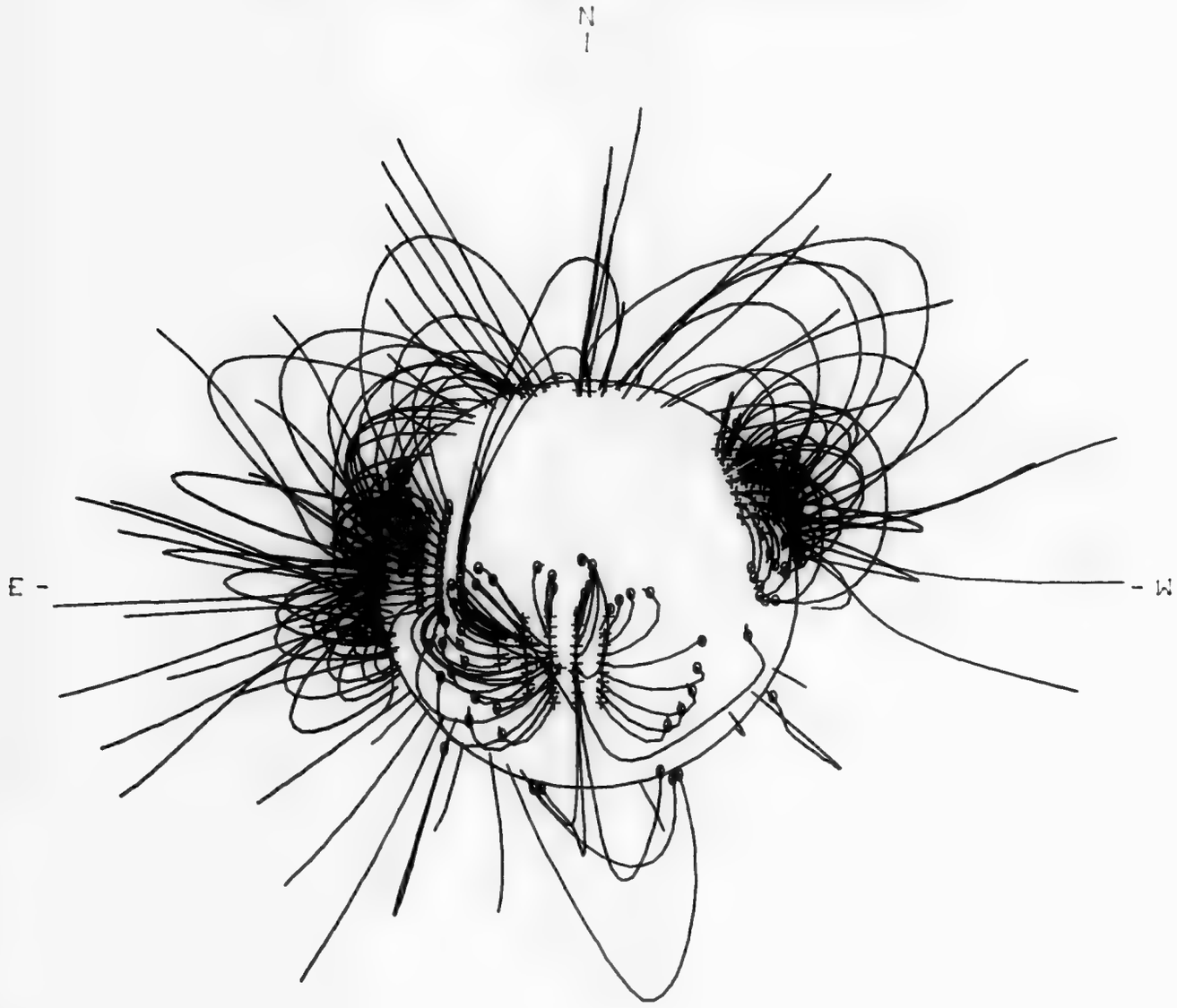
POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 100°

29.9 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

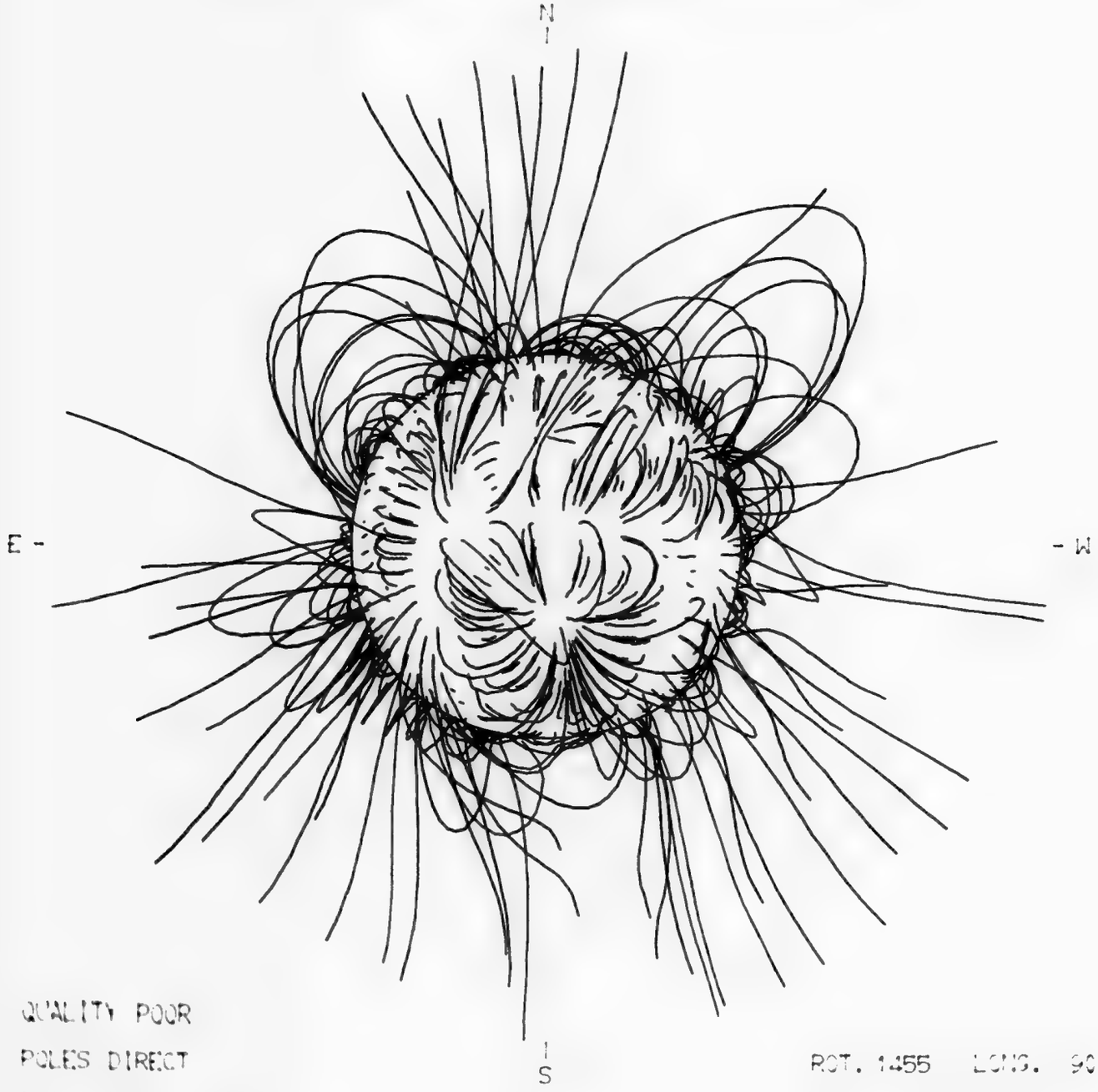
POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 100°

29.9 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

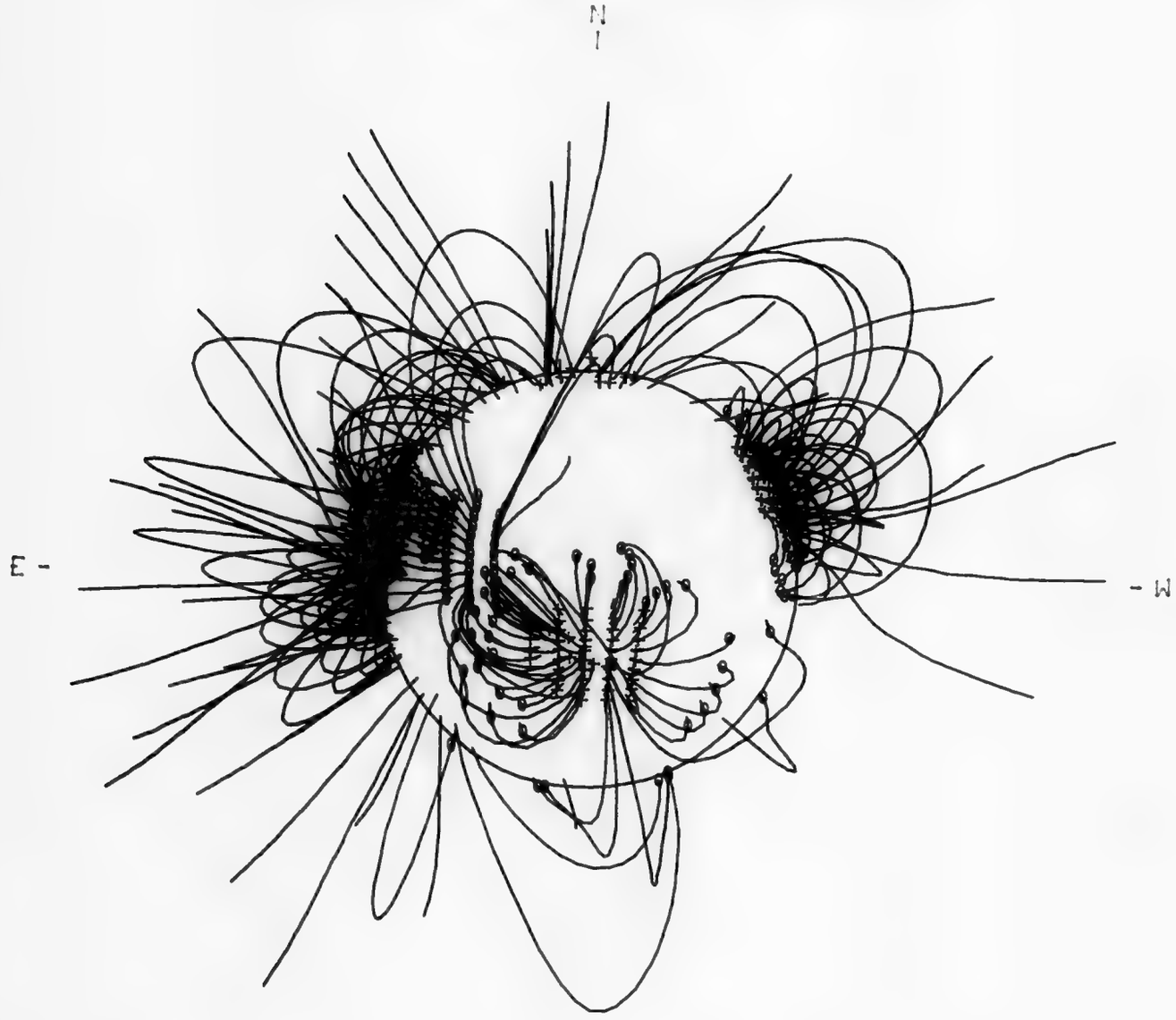
POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 90°

30.6 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

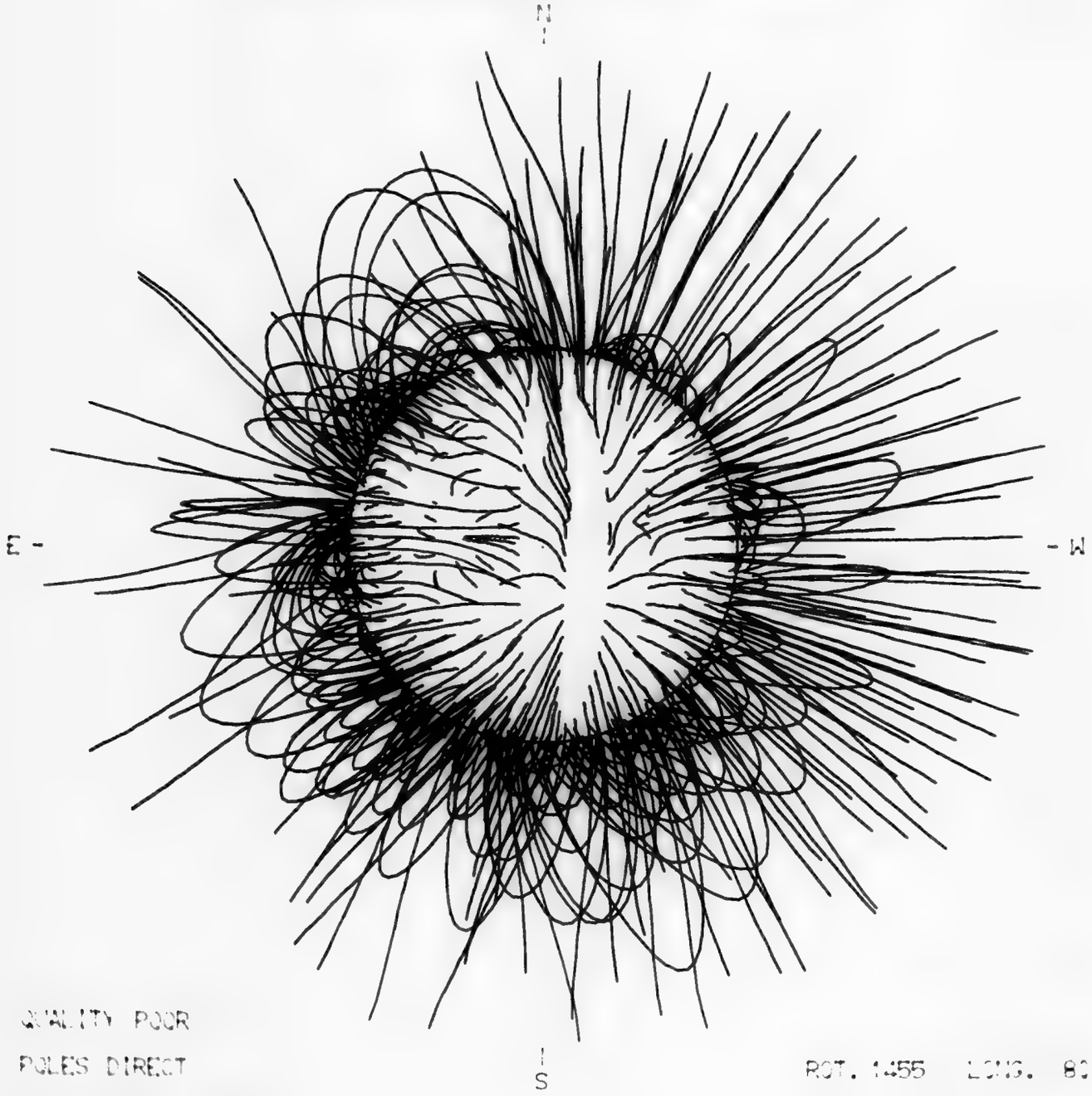
POLES DIRECT

DATA WINDOW 1455.00

ROT. 1455 LONG. 90°

30.6 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1455,47

ROT. 1455 LONG. 8[illegible]°

13 JUL 1962

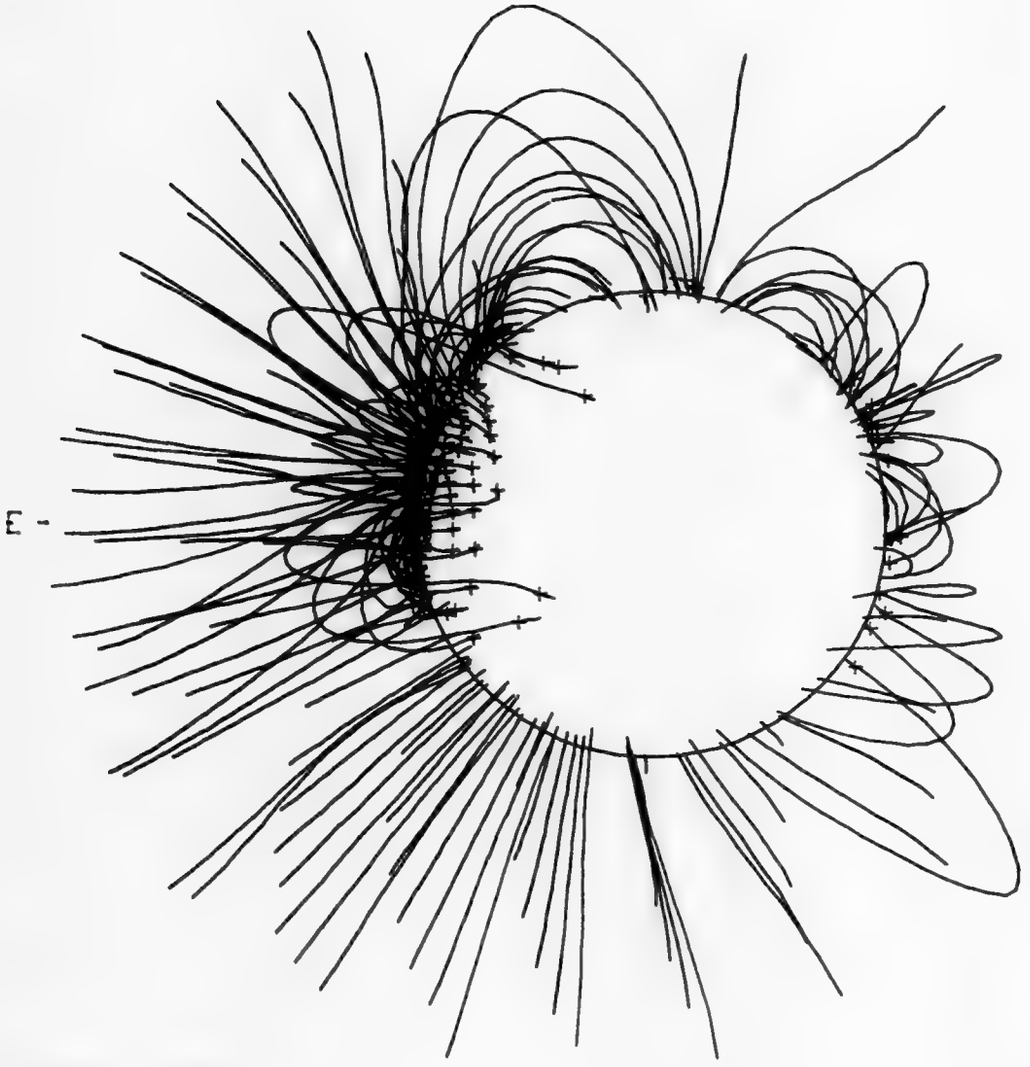
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

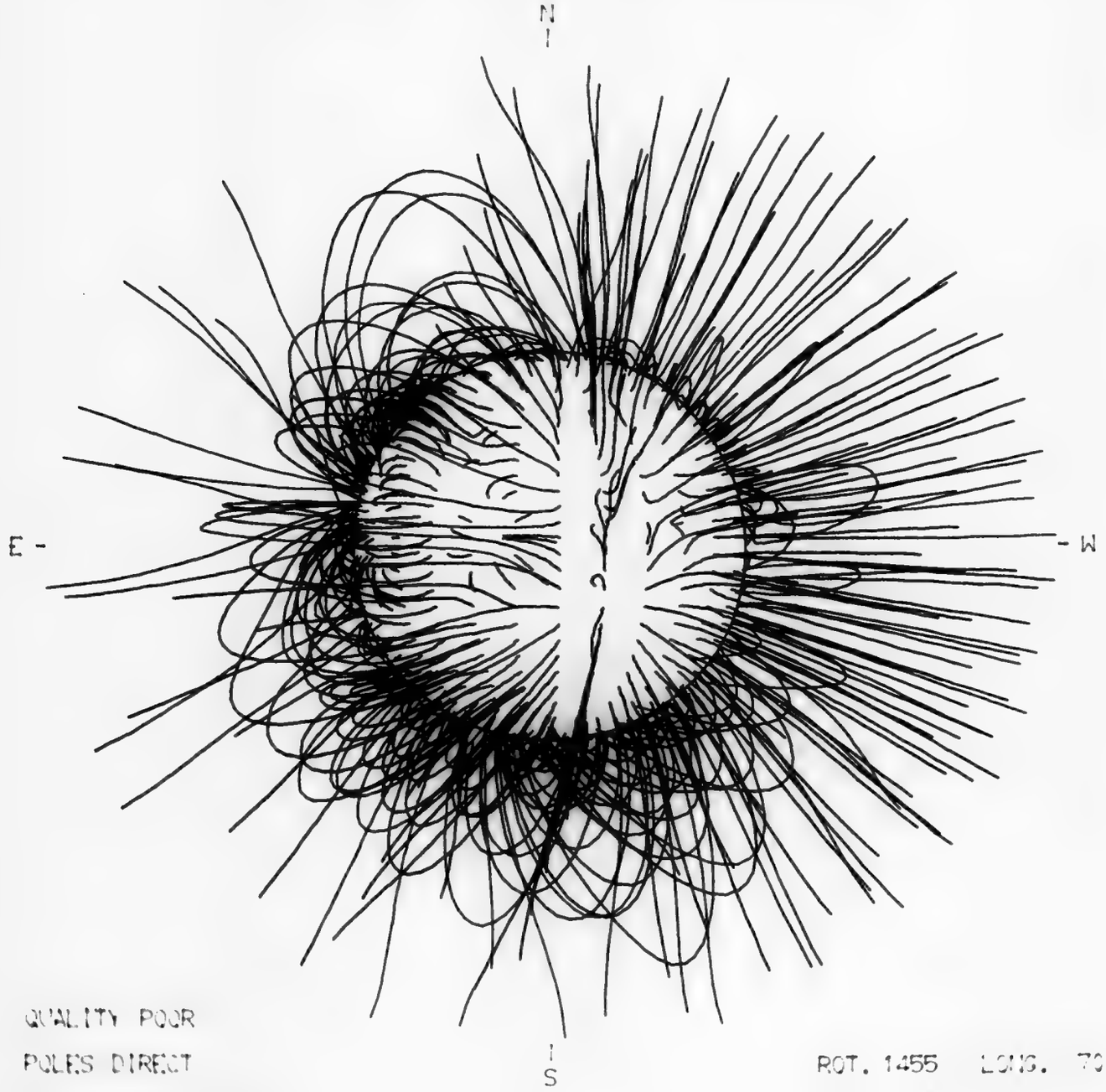
POLES DIRECT

DATA WINDOW 1455.47

ROT. 1455 LONG. 80°

13 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1455.47

ROT. 1455 LONG. 70°

2.1 JUL 1962

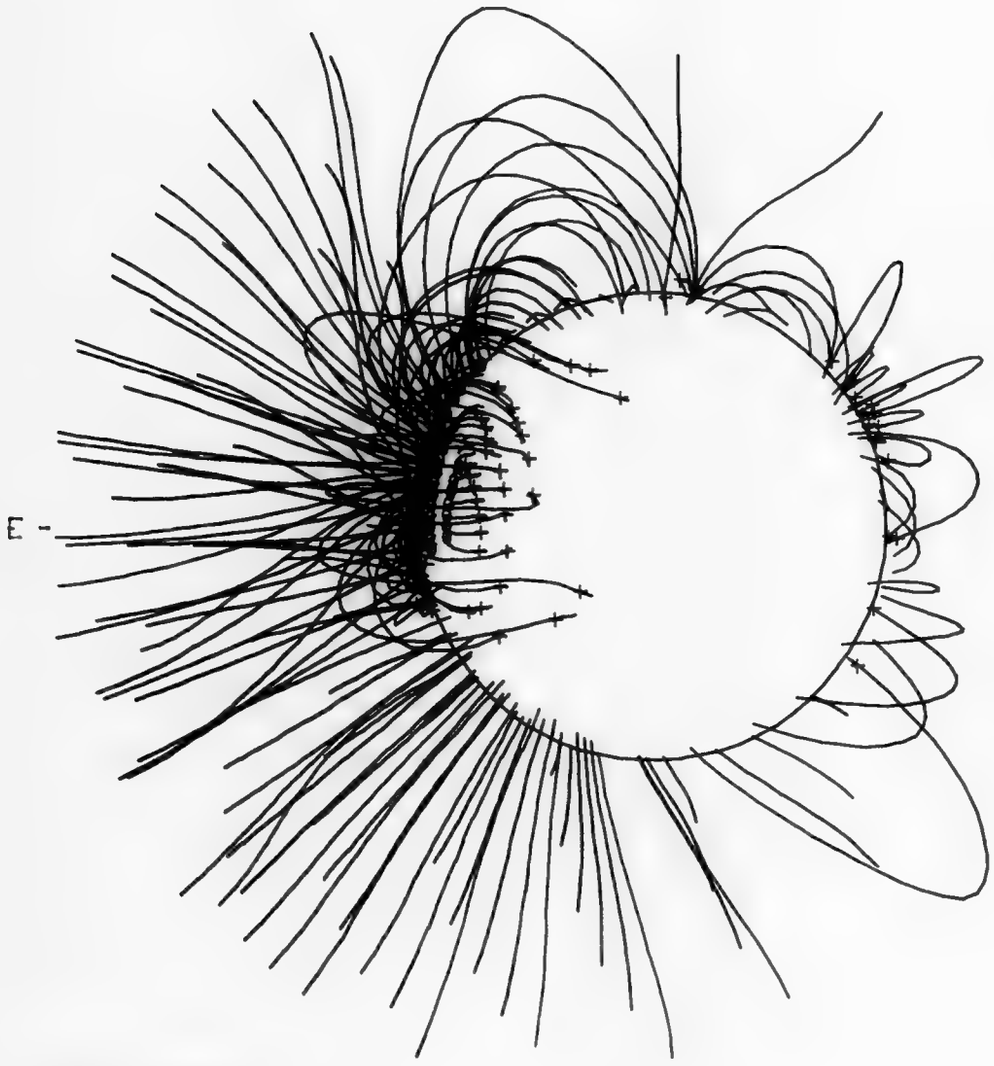
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

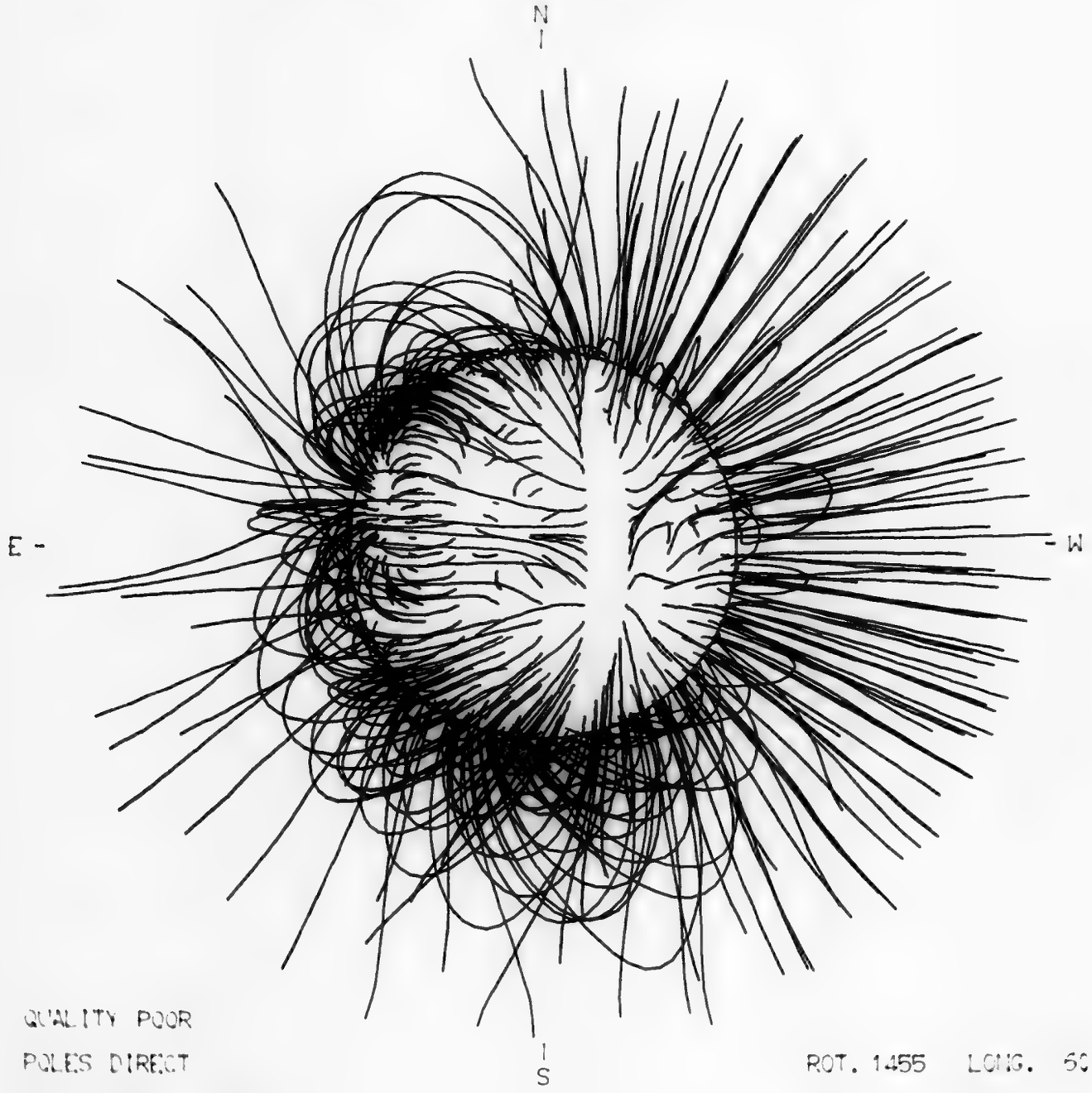
POLES DIRECT

DATA WINDOW 1455.47

ROT. 1455 LONG. 70°

2.1 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1455.47

ROT. 1455 LONG. 60°

28 JUL 1962

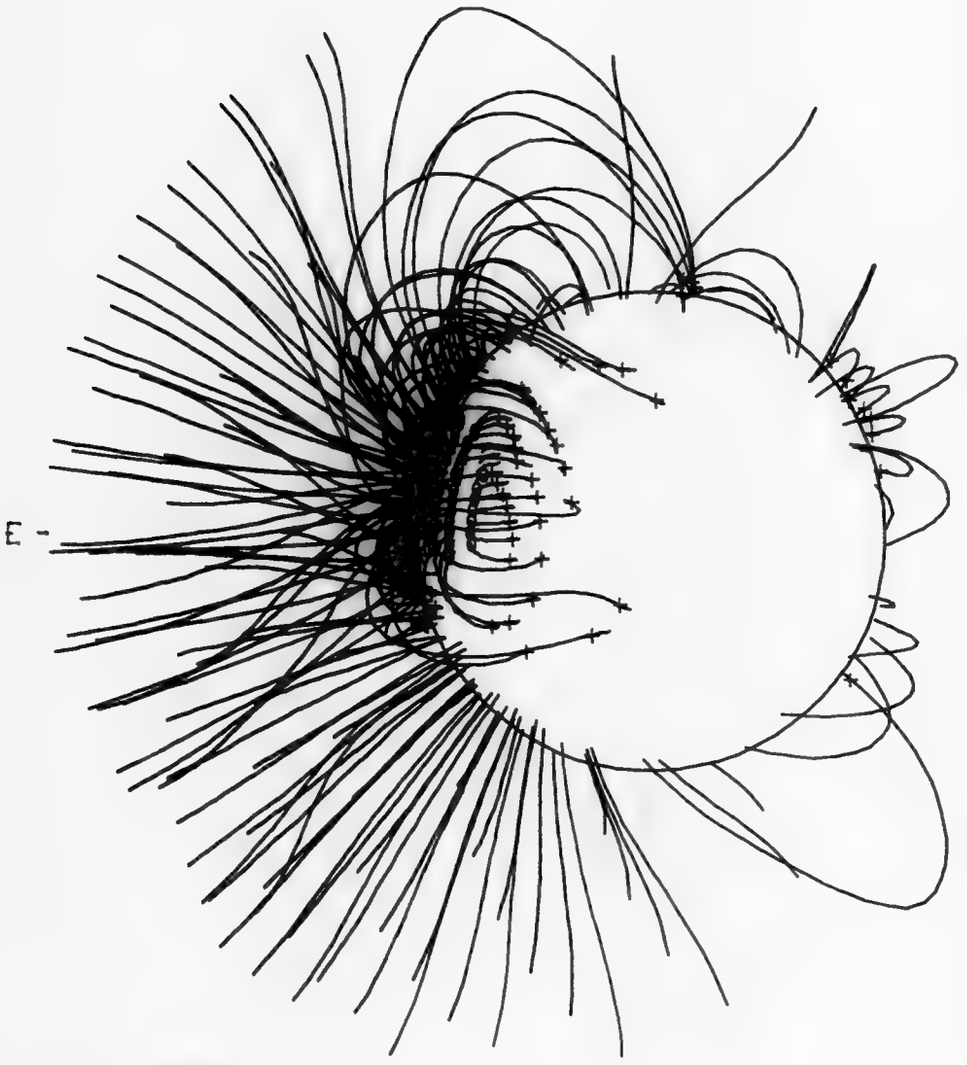
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

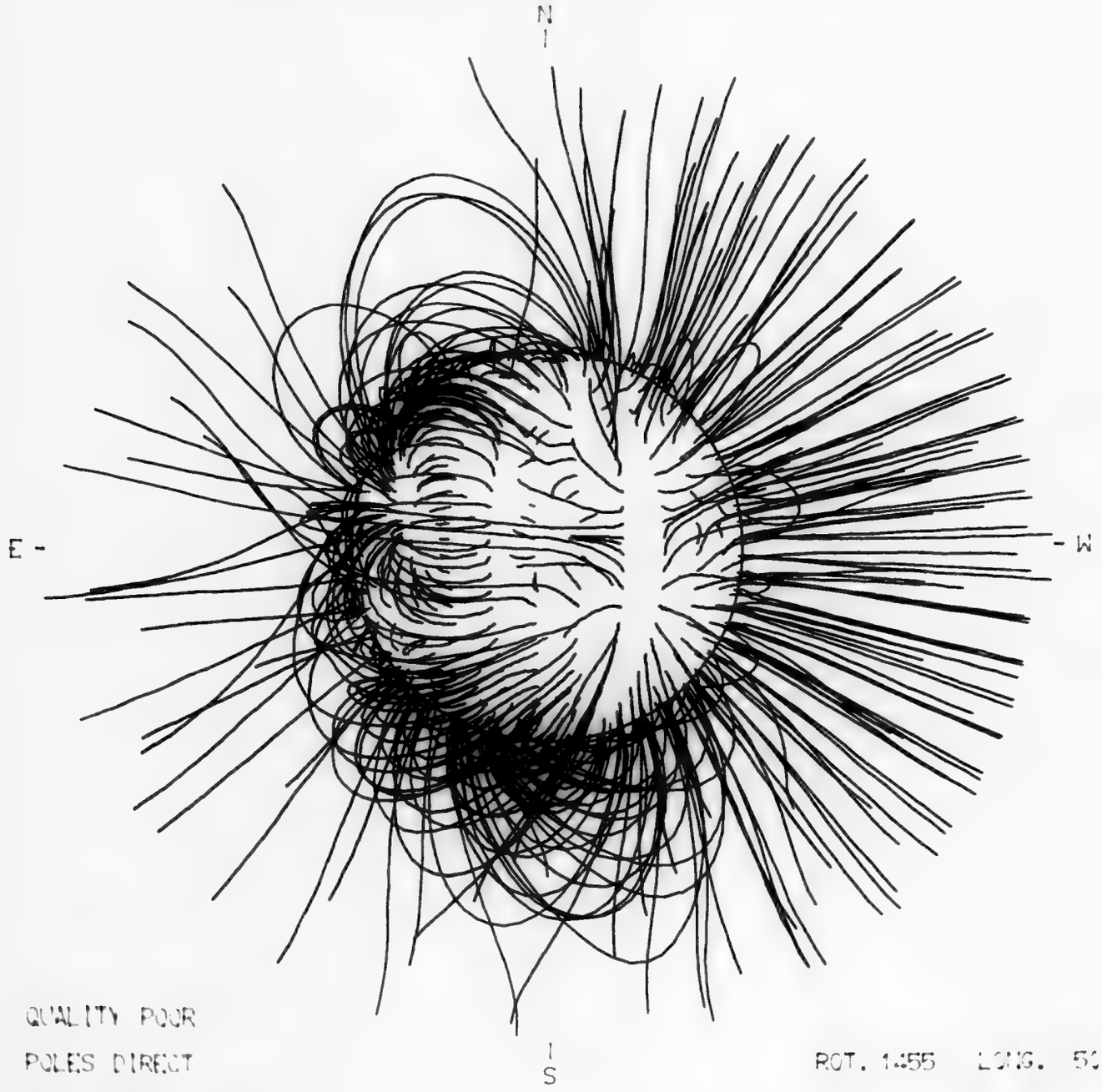
POLES DIRECT

DATA WINDOW 1455.47

ROT. 1455 LONG. 60°

28 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.155..1

ROT. 1455 LONG. 5[illegible]°

3.6 JUL 1962

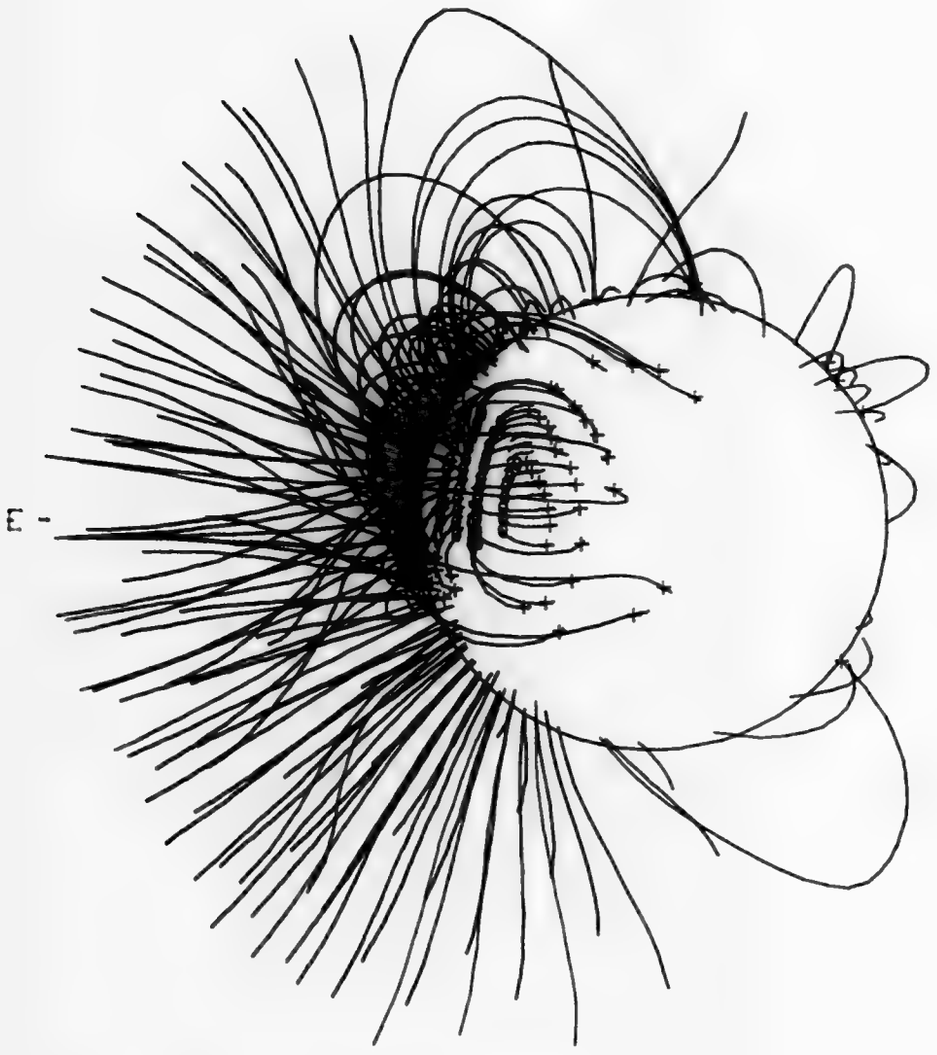
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

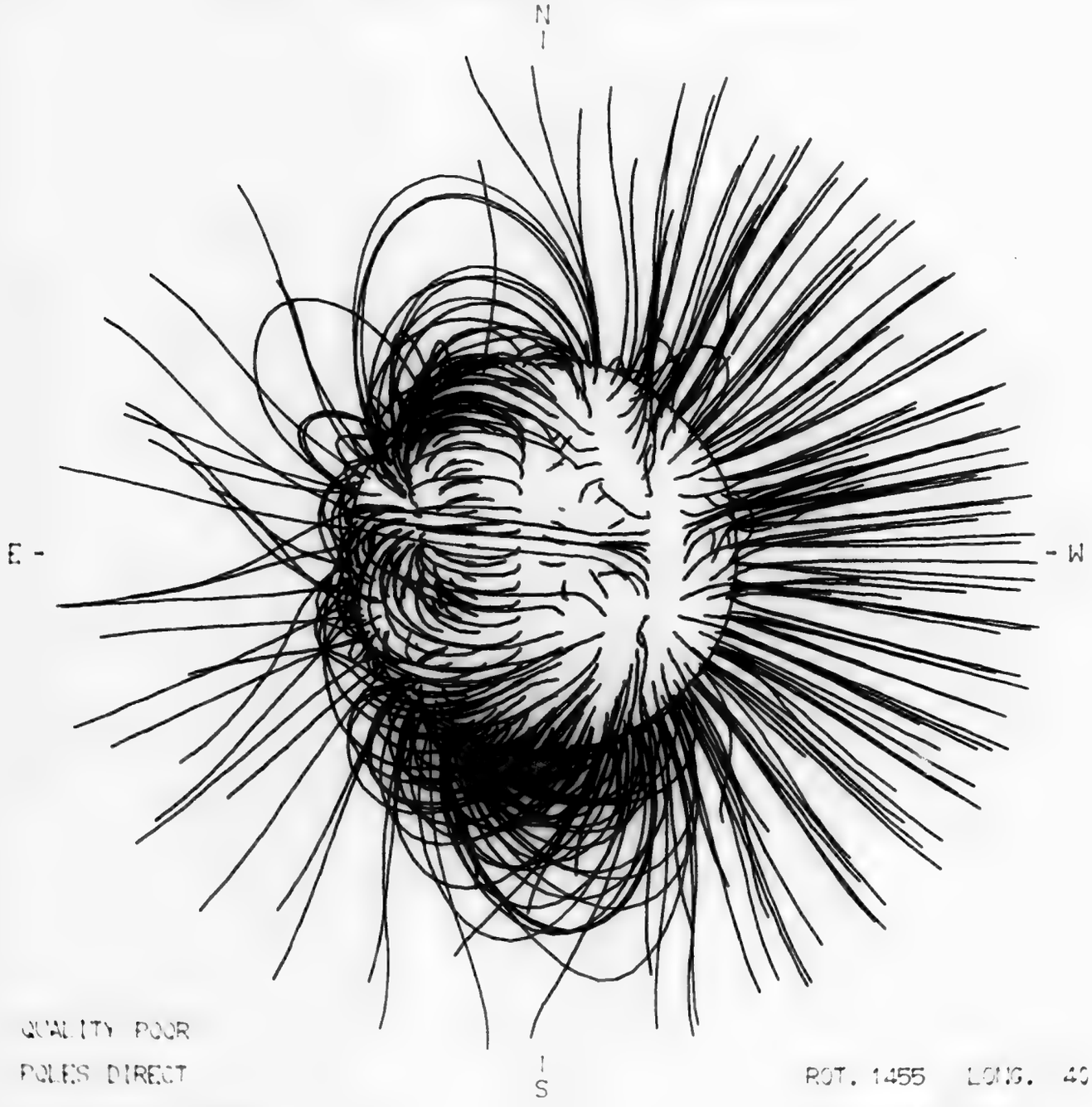
POLES DIRECT

DATA WINDOW 1455.47

ROT. 1455 LONG. 50°

3.6 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1455.47

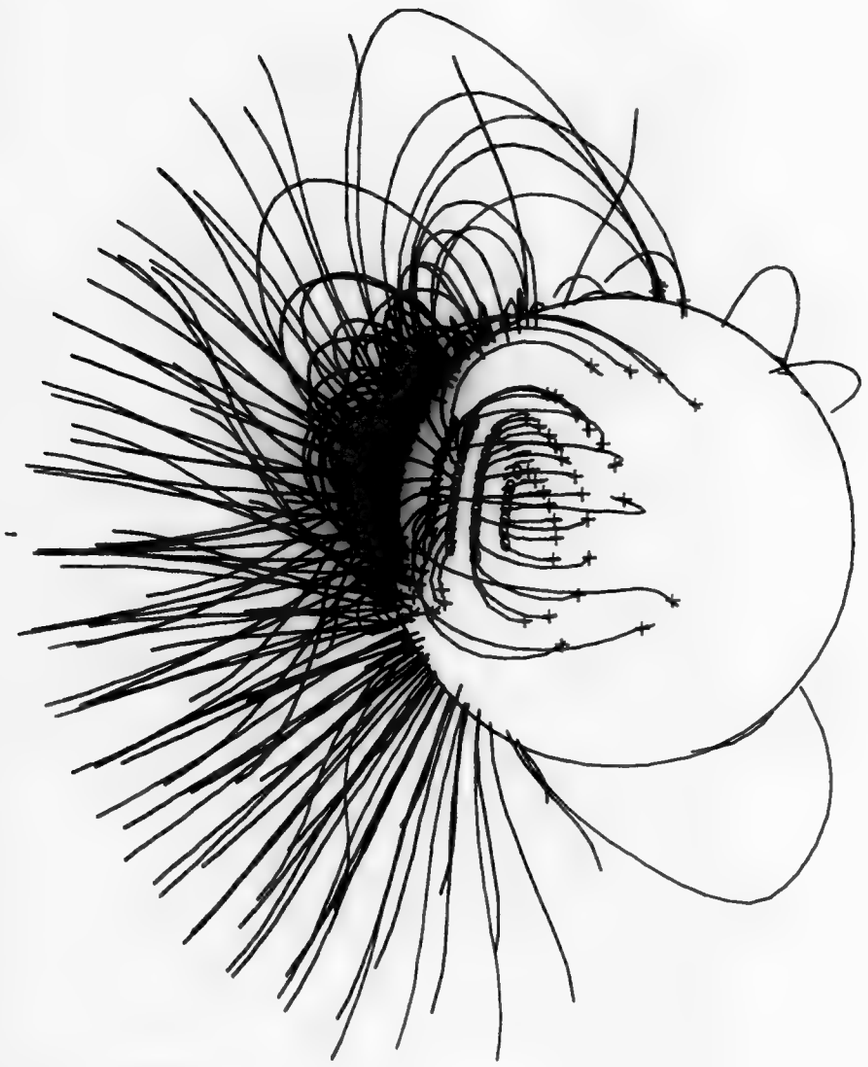
ROT. 1455 LONG. 40°

4.4 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

QUALITY POOR

POLES DIRECT

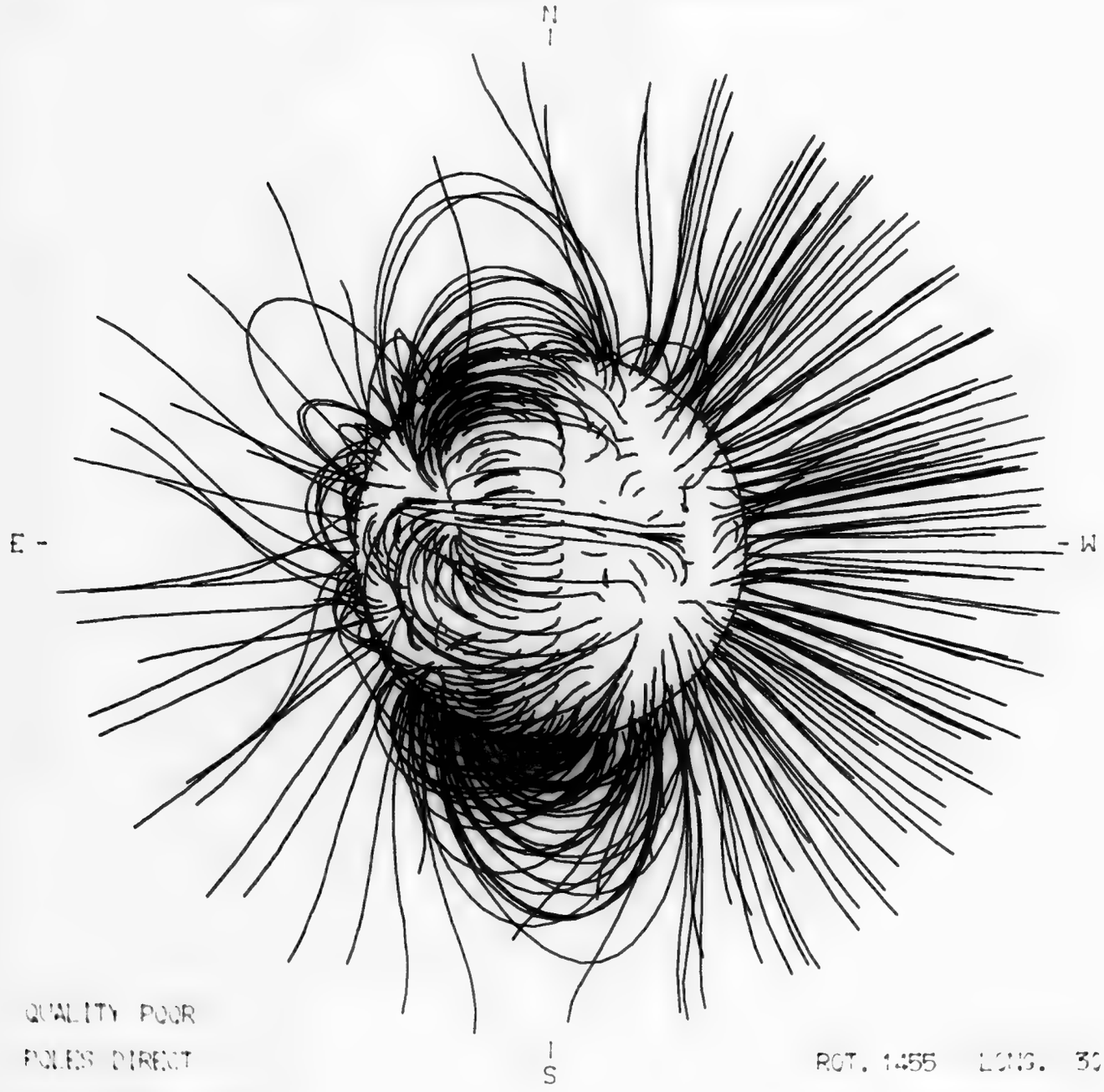
DATA WINDOW 1455.47

S

ROT. 1455 LONG. 43°

4.4 JUL 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1455.47

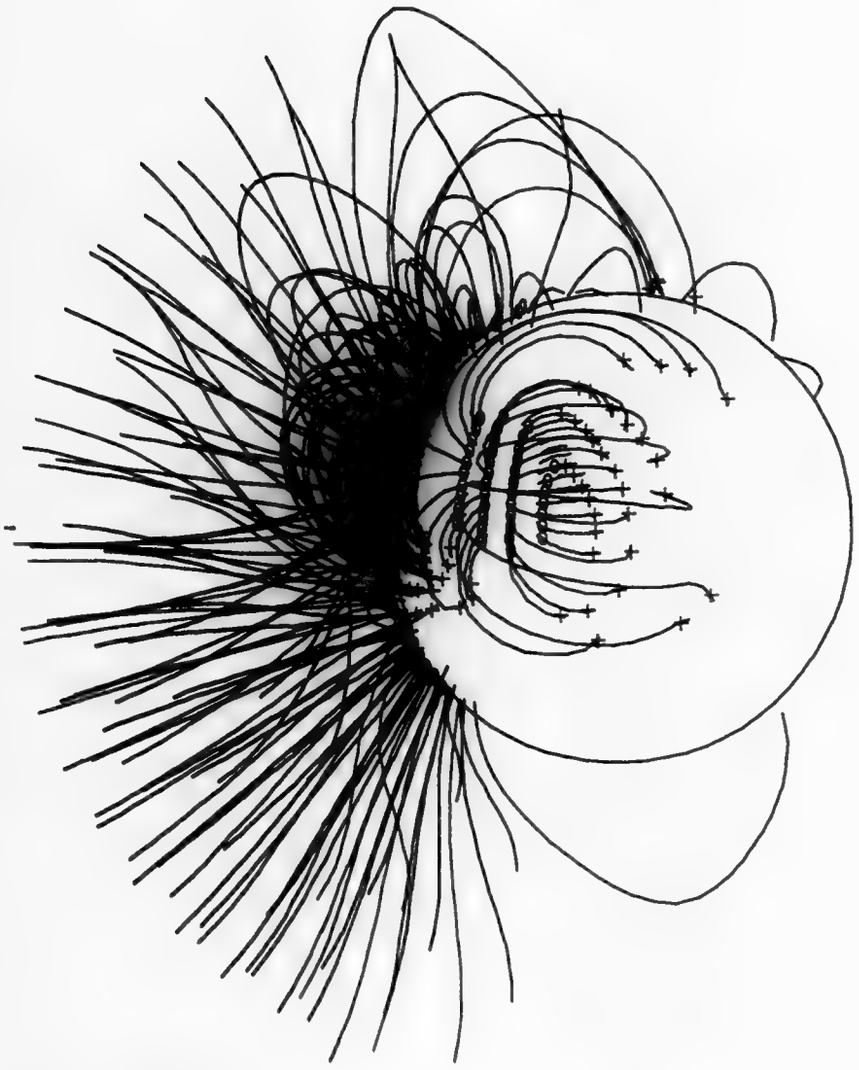
ROT. 1455 LONG. 30°

5.1 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

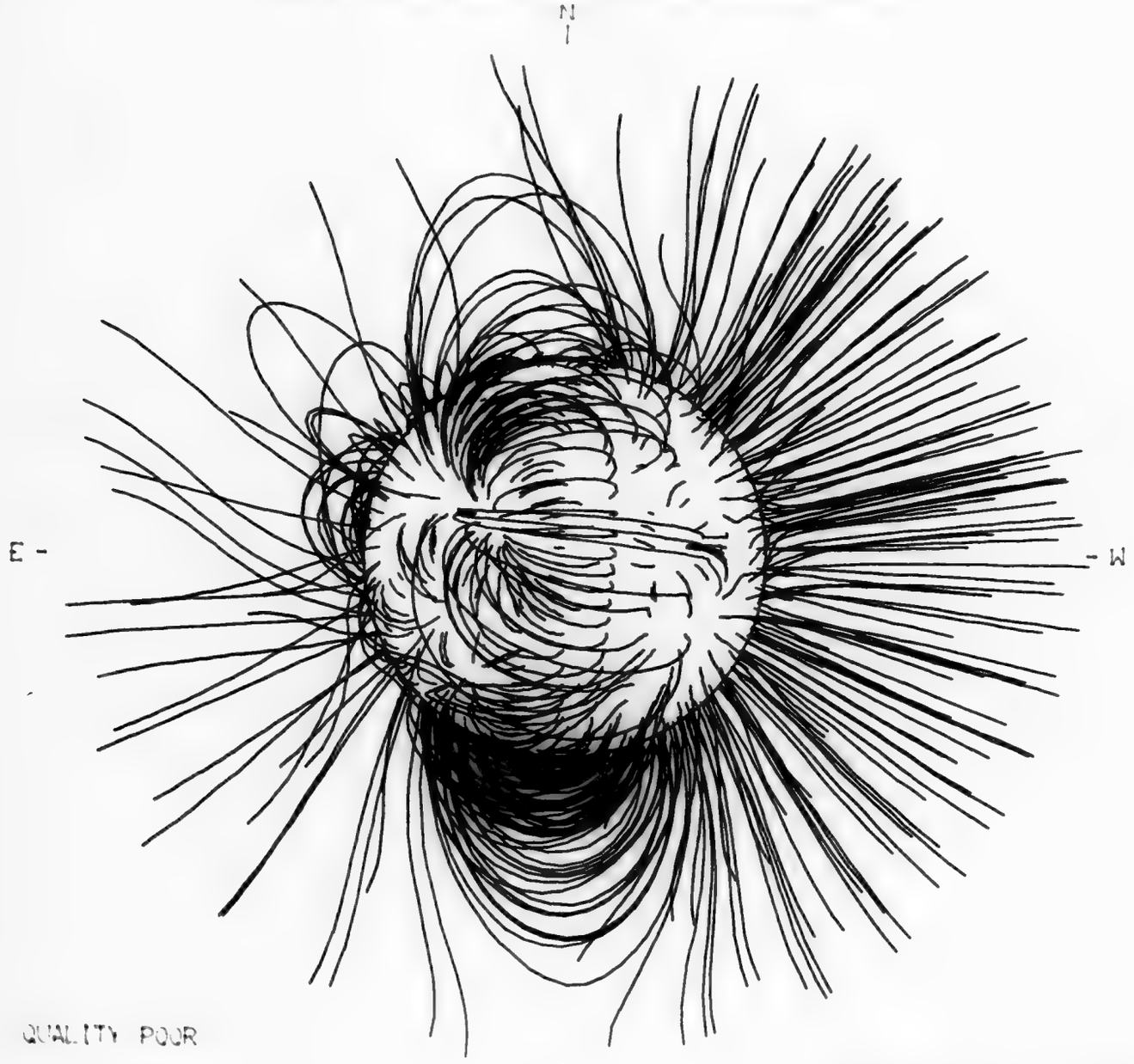
POLES DIRECT

DATA WINDOW 1455.47

ROT. 1455 LONG. 30°

5.1 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

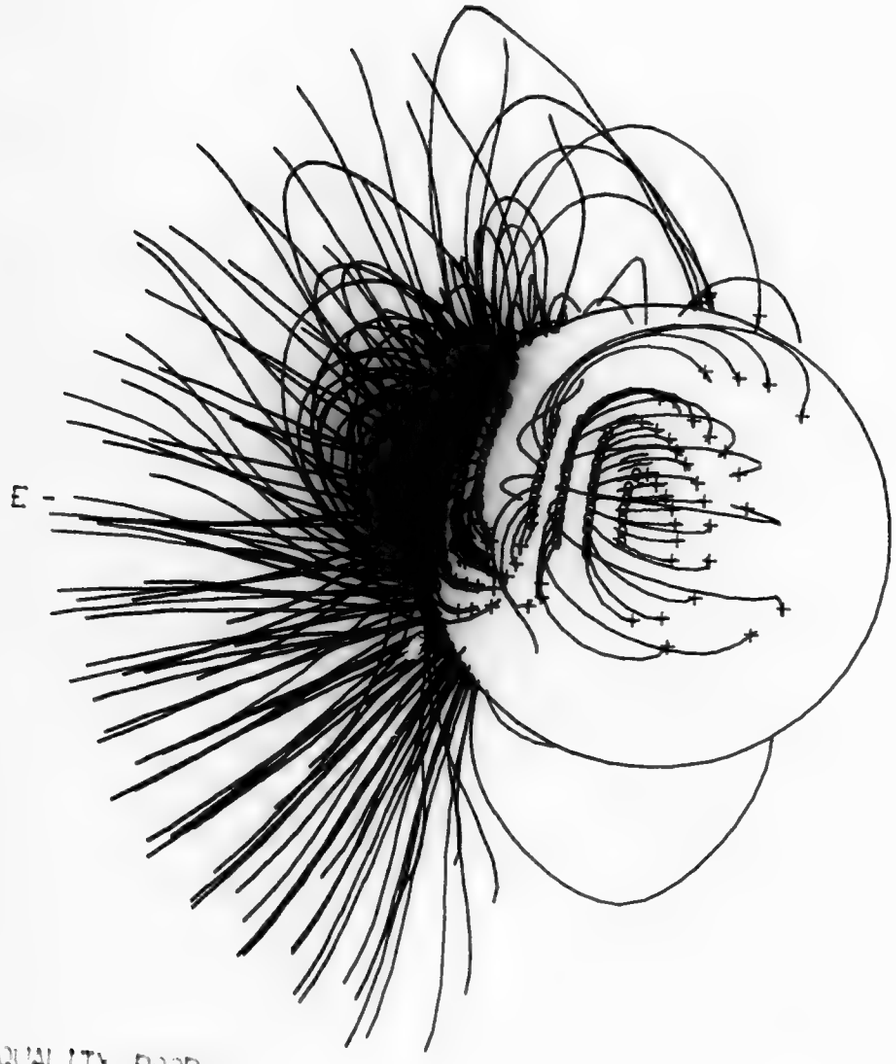
DATA WINDOW 1455.47

ROT. 1455 LONG. 20°

5.9 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

QUALITY POOR

POLES DIRECT

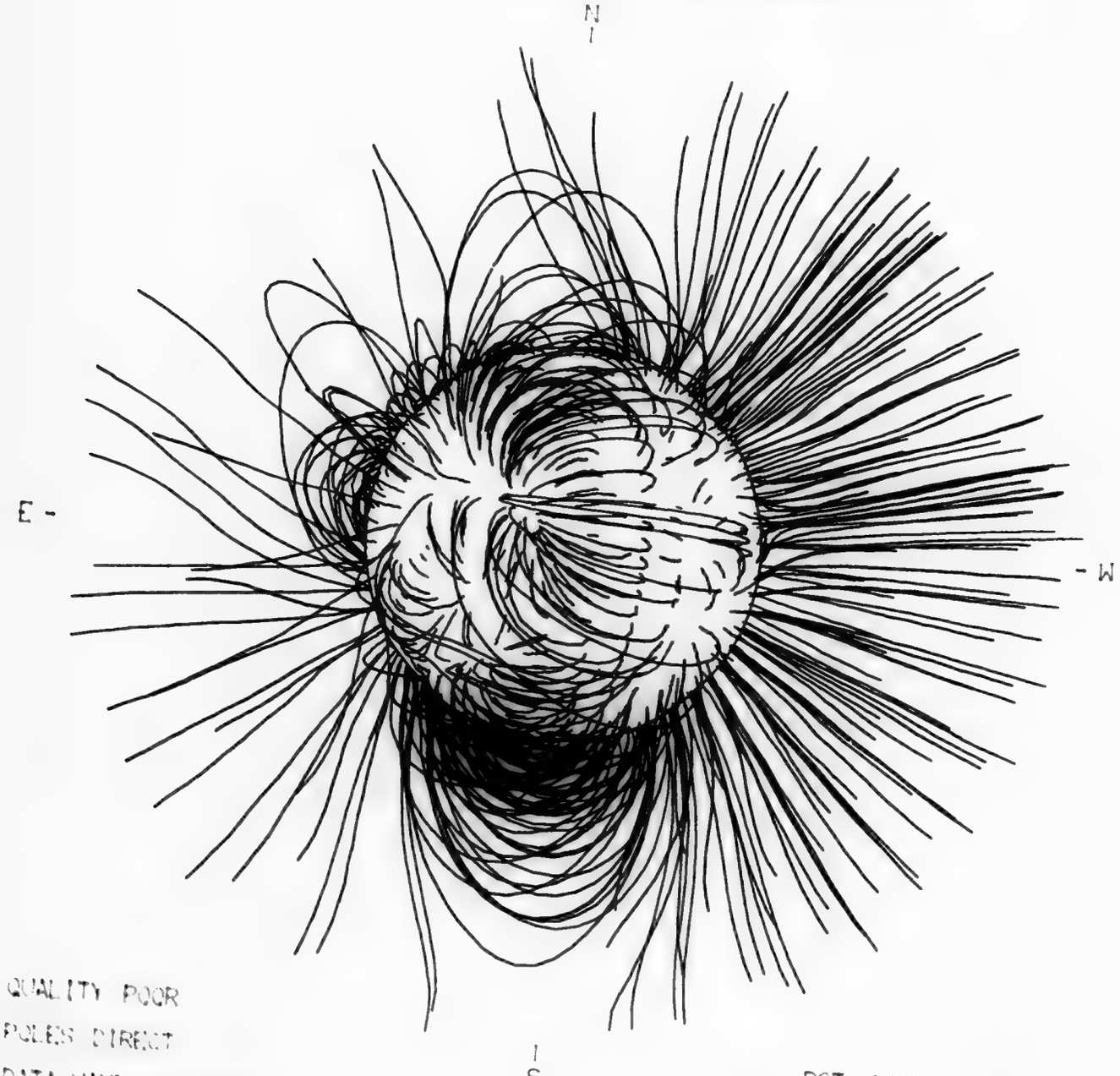
DATA WINDOW 1455..1?

S

ROT. 1455 LONG. 2?°

5.9 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

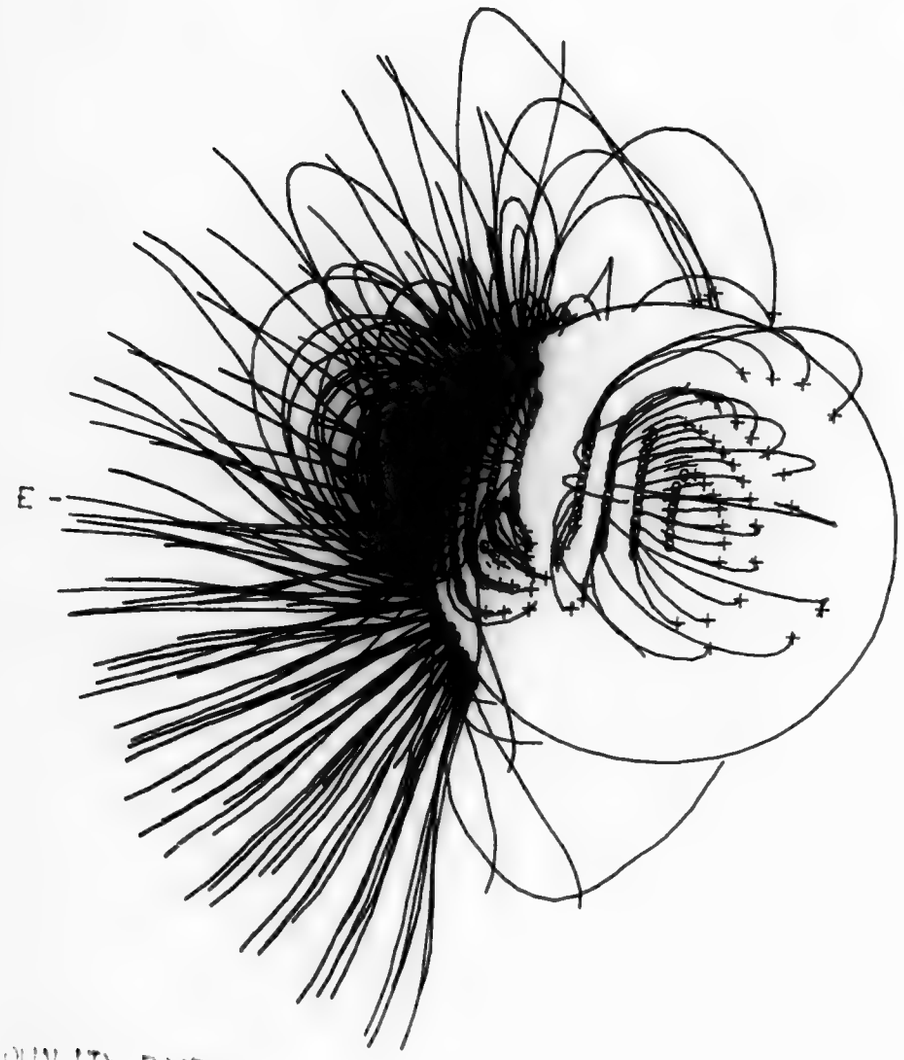
DATA WINDOW 1.356,.47

ROT. 1455 LONG. 10°

6.6 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E

W

QUALITY POOR

POLES DIRECT

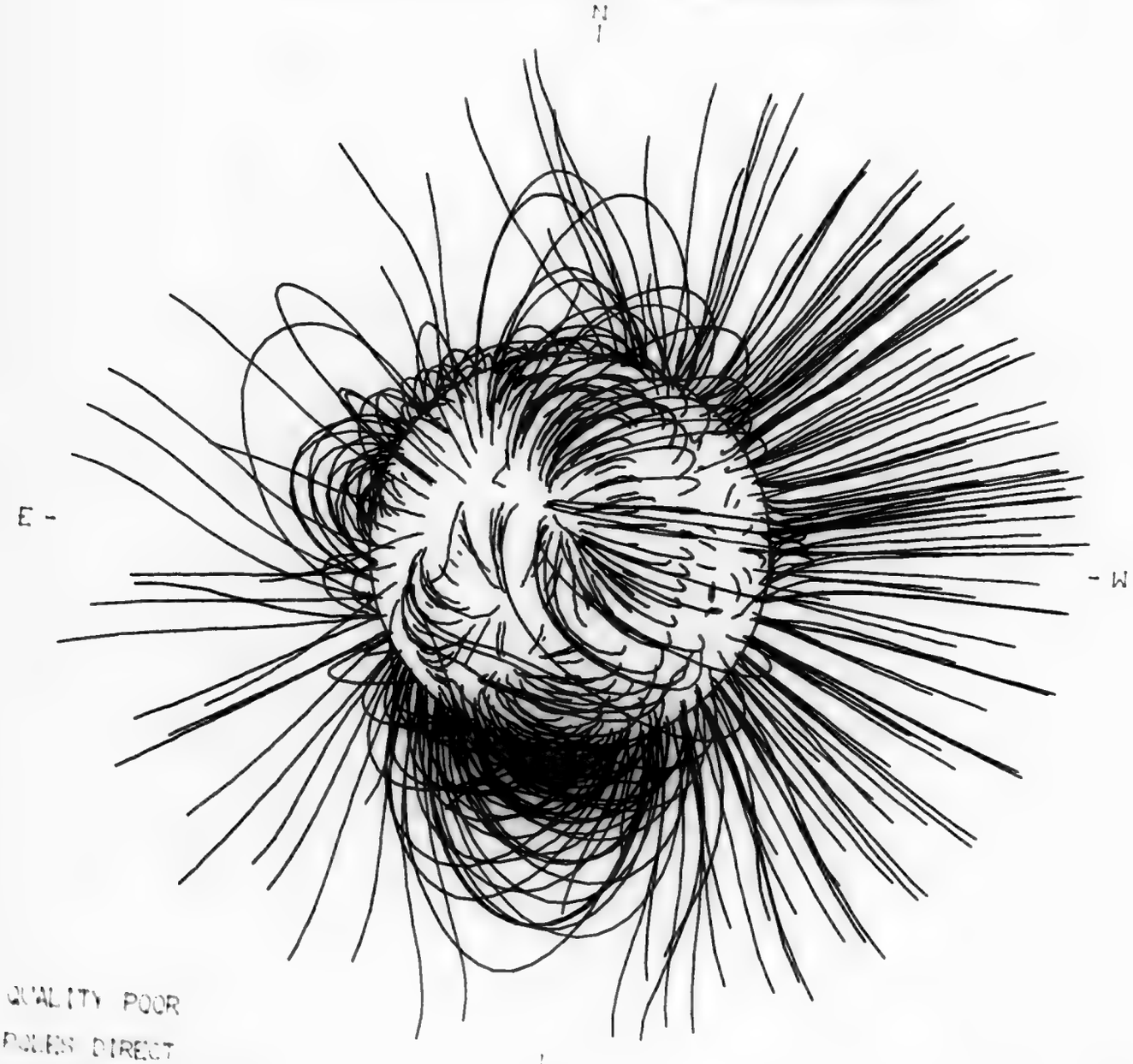
DATA WINDOW 1.155..1

S

ROT. 1455 LONG. 10°

6.6 JUL 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1455.4?

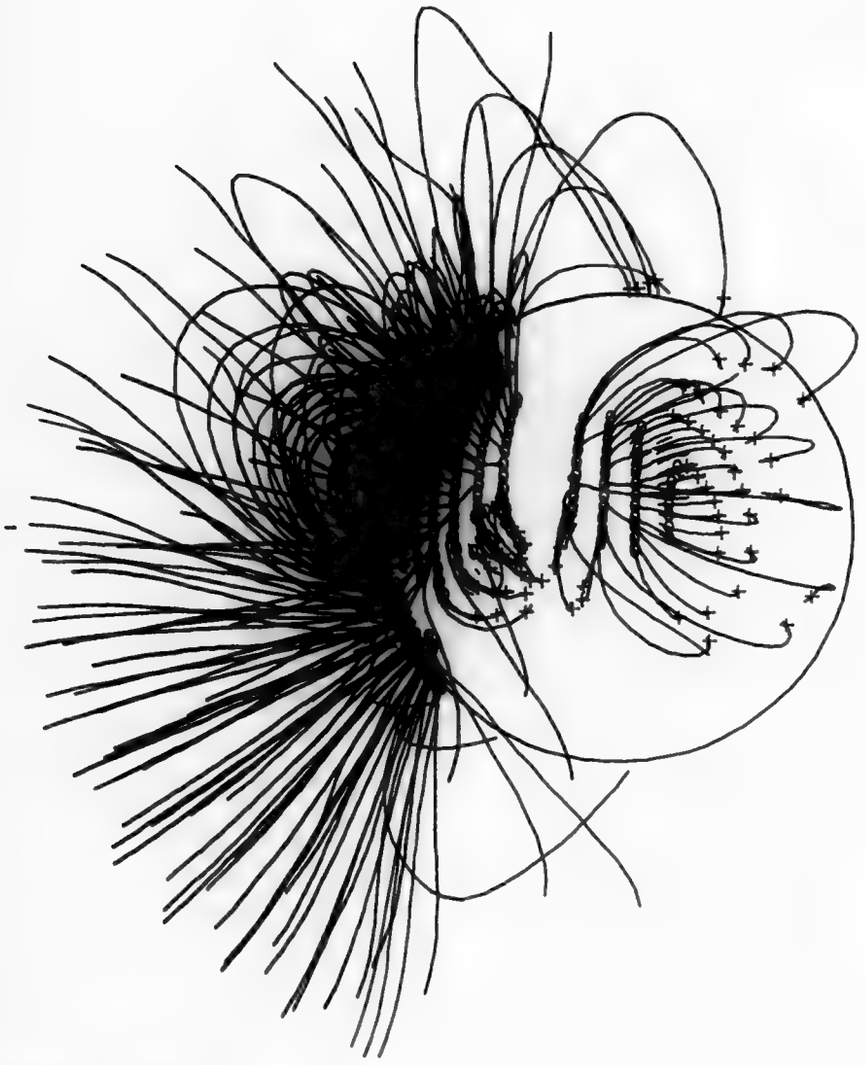
ROT. 1455 LONG. 0°

7.4 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

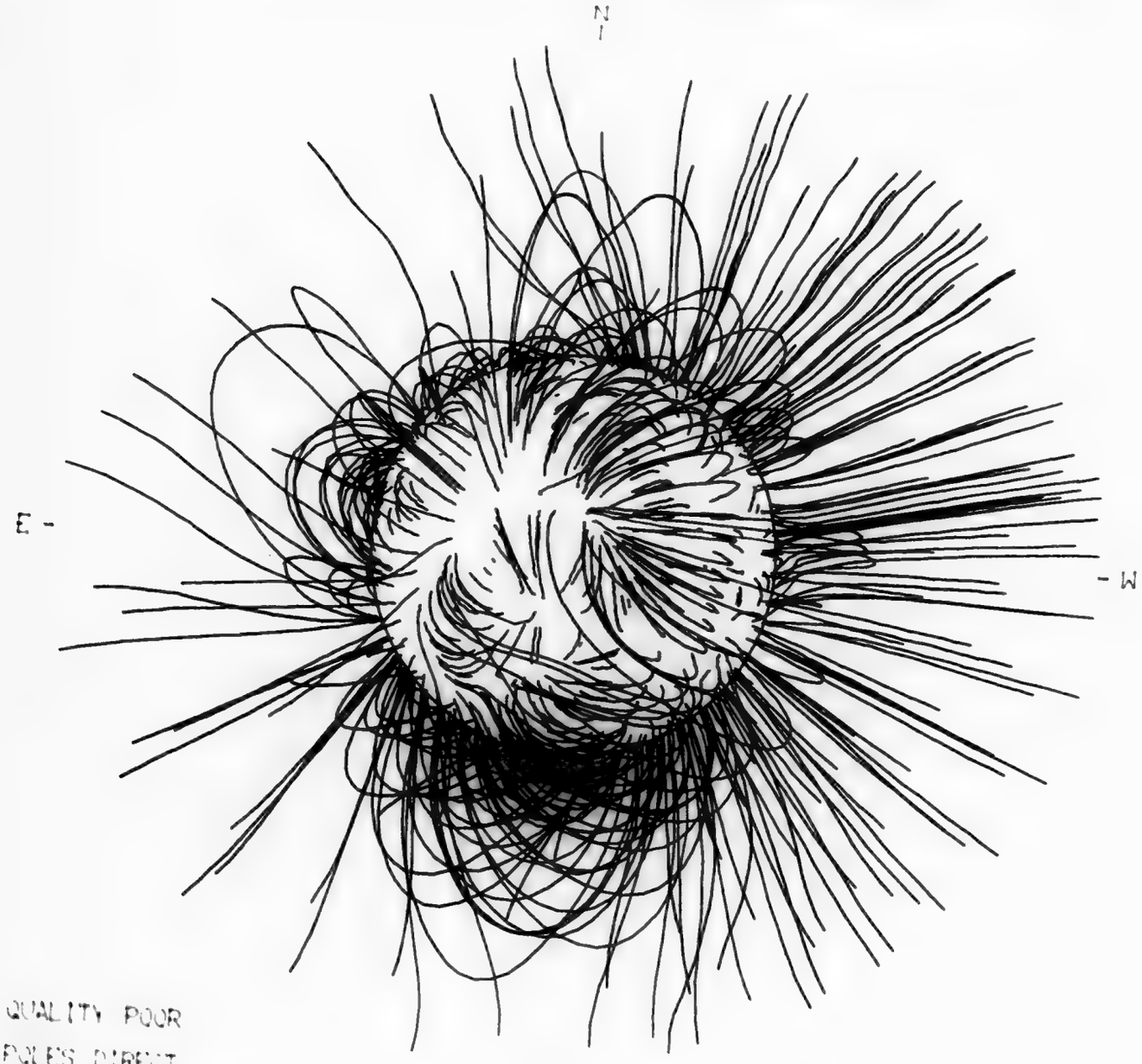
POLES DIRECT

DATA WINDOW 1455.47

ROT. 1455 LONG. 0°

7.4 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

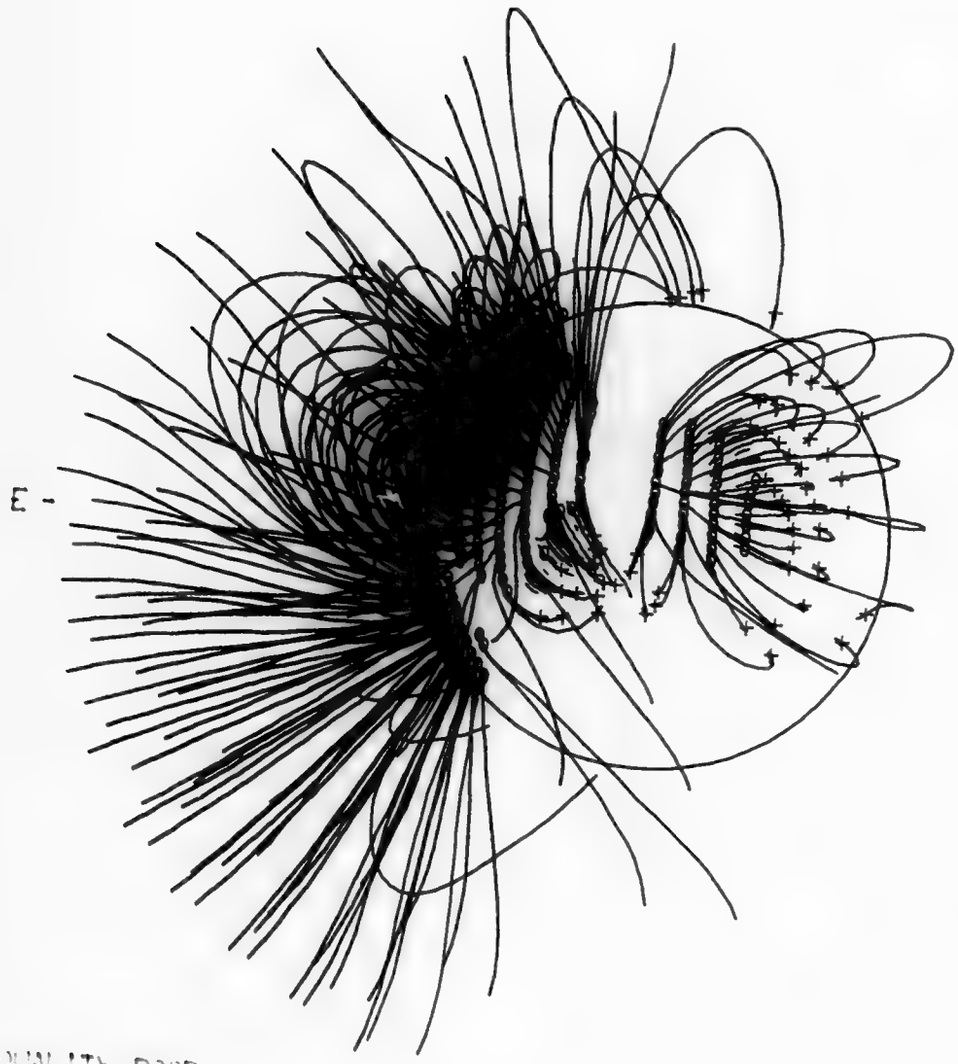
DATA WINDOW 1455.4°

ROT. 1456 LONG. 351°

8.1 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

QUALITY POOR

POLES DIRECT

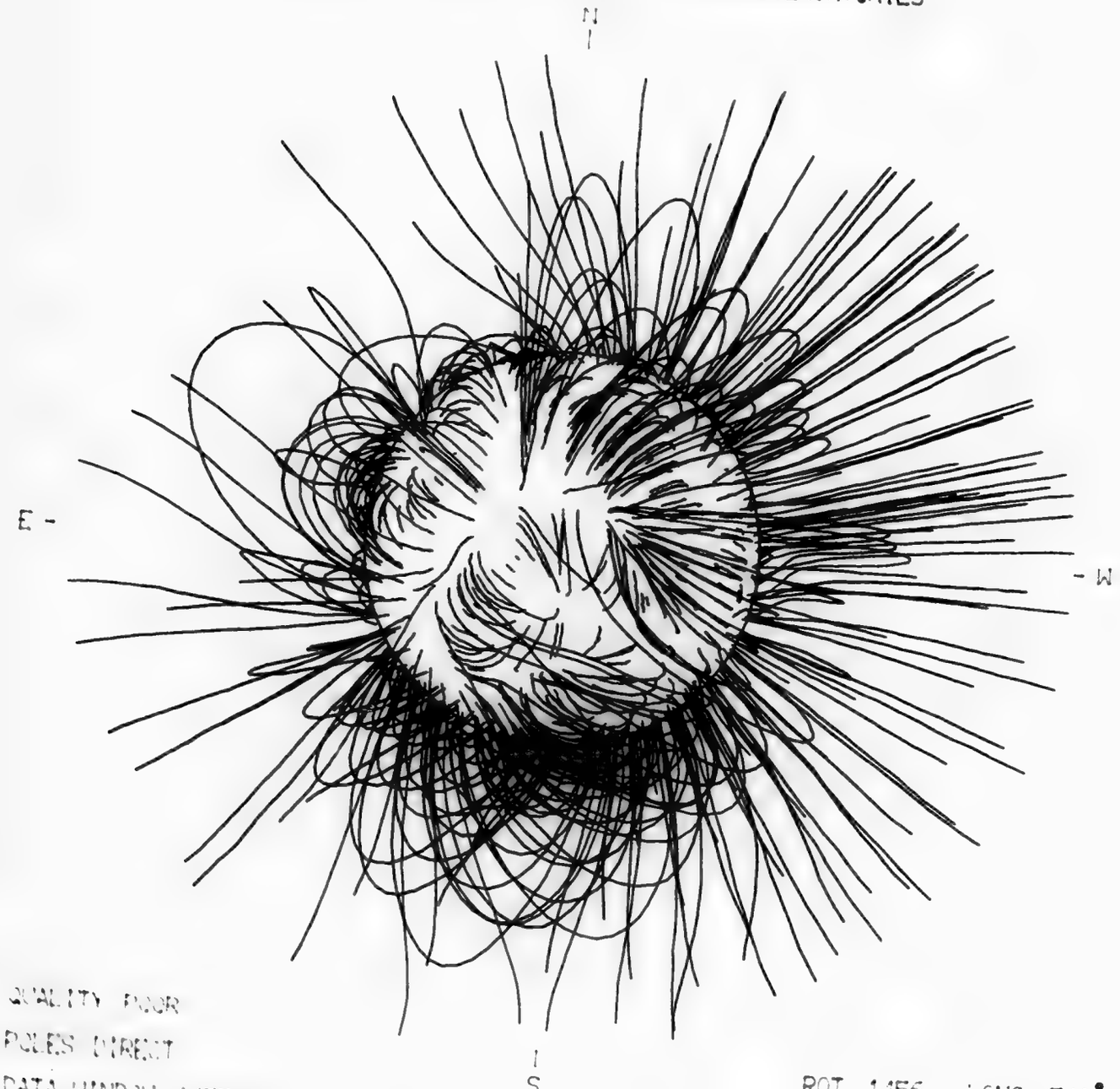
DATA WINDOW 1455.47

S

ROT. 1456 LONG. 350°

8.1 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES INVERT

DATA WINDOW 1455.4?

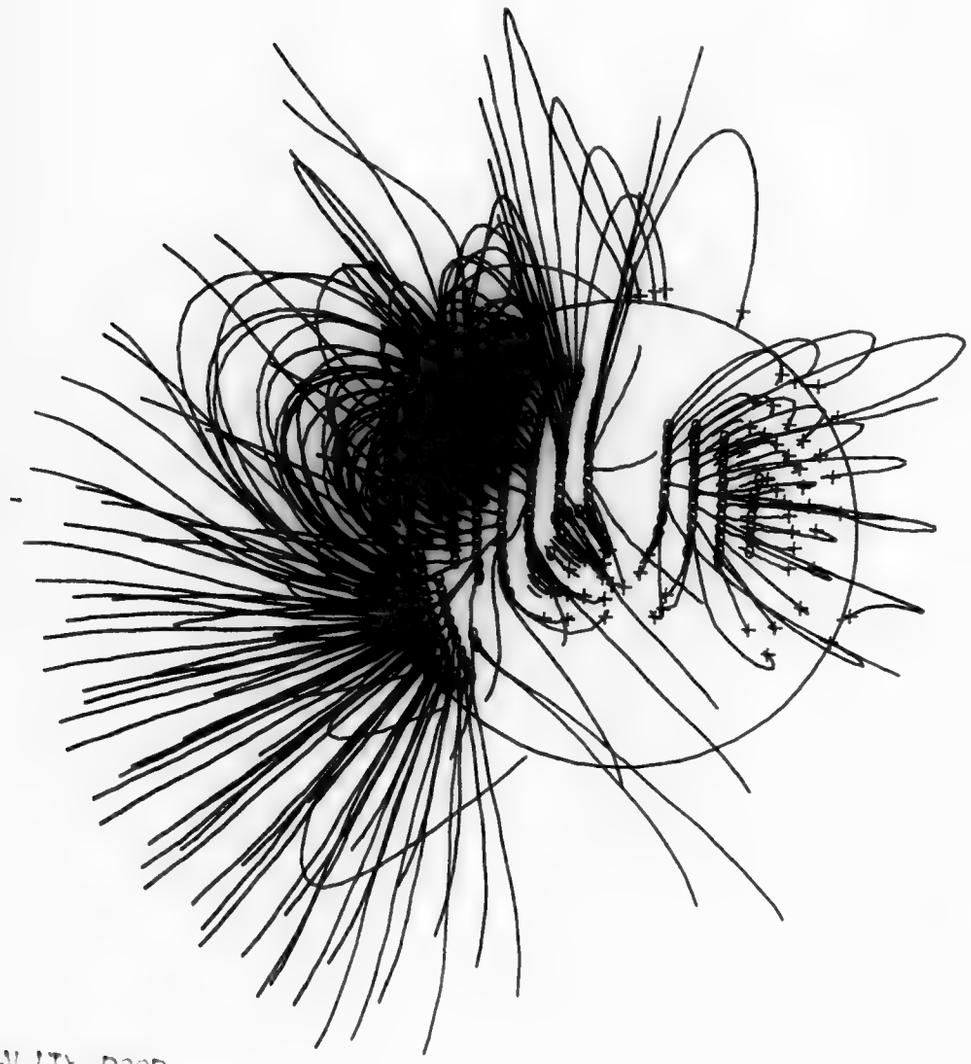
ROT. 1456 LONG. 340°

8.9 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

QUALITY POOR

POLES DIRECT

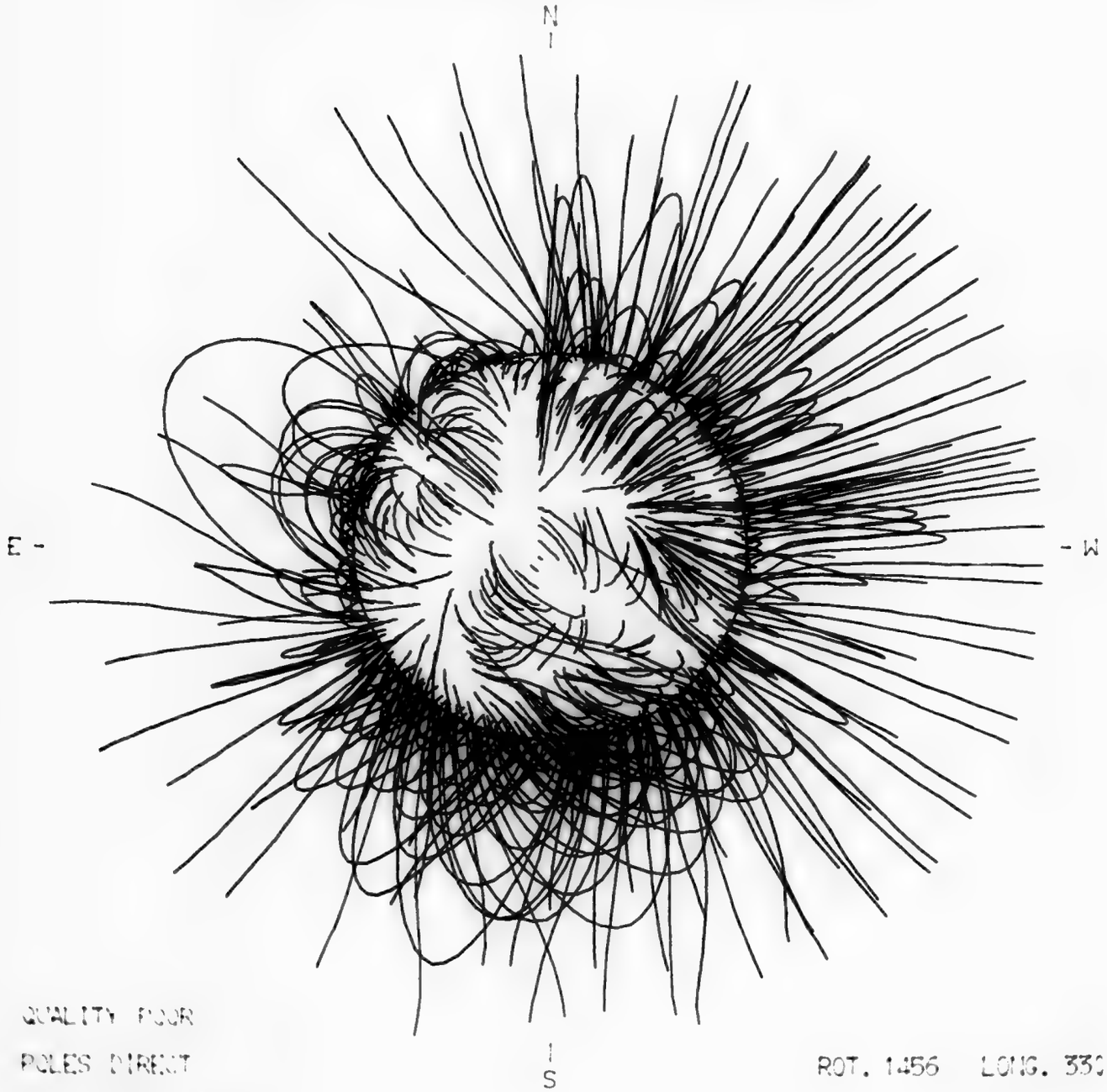
DATA WINDOW 1455.47

S

ROT. 1456 LONG. 340°

8.9 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.3535,.47

ROT. 1456 LONG. 330°

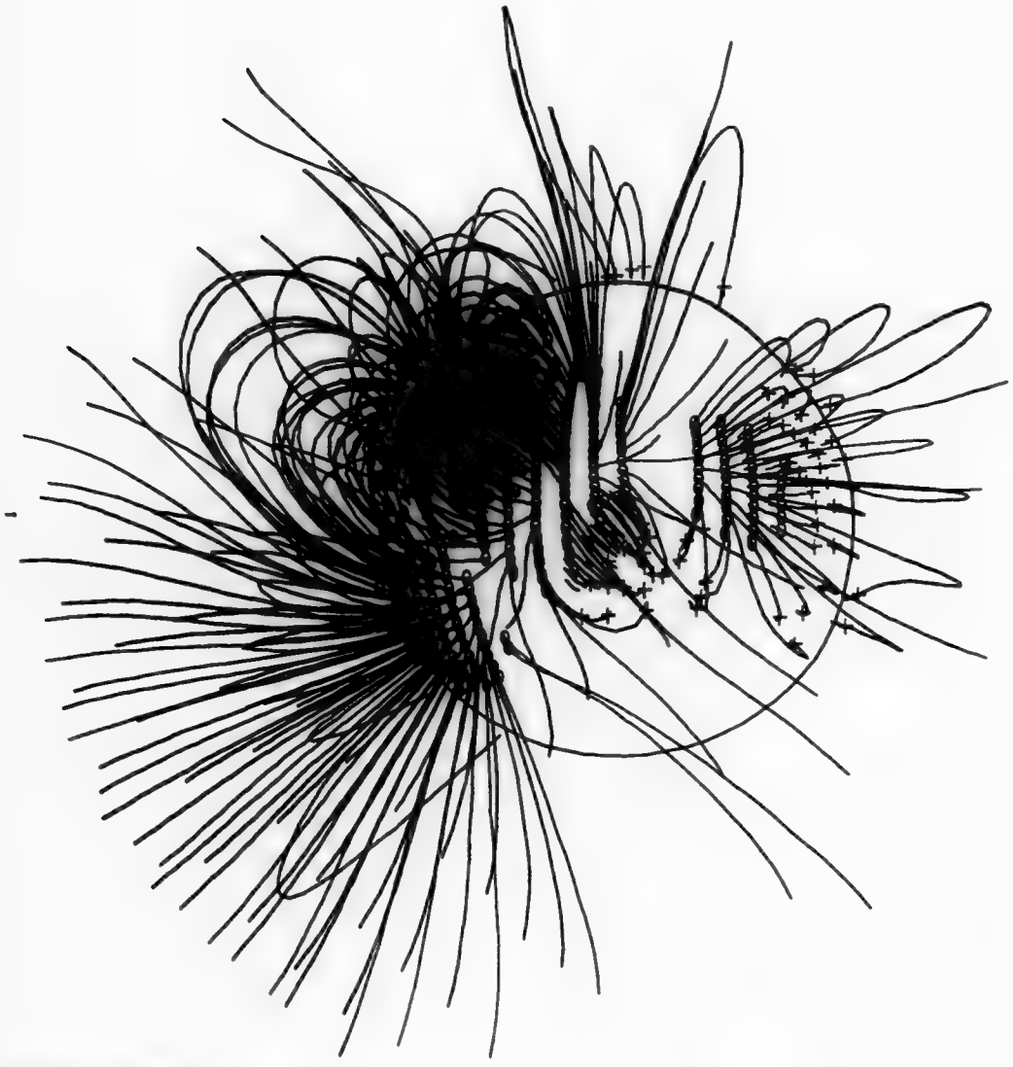
9.7 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

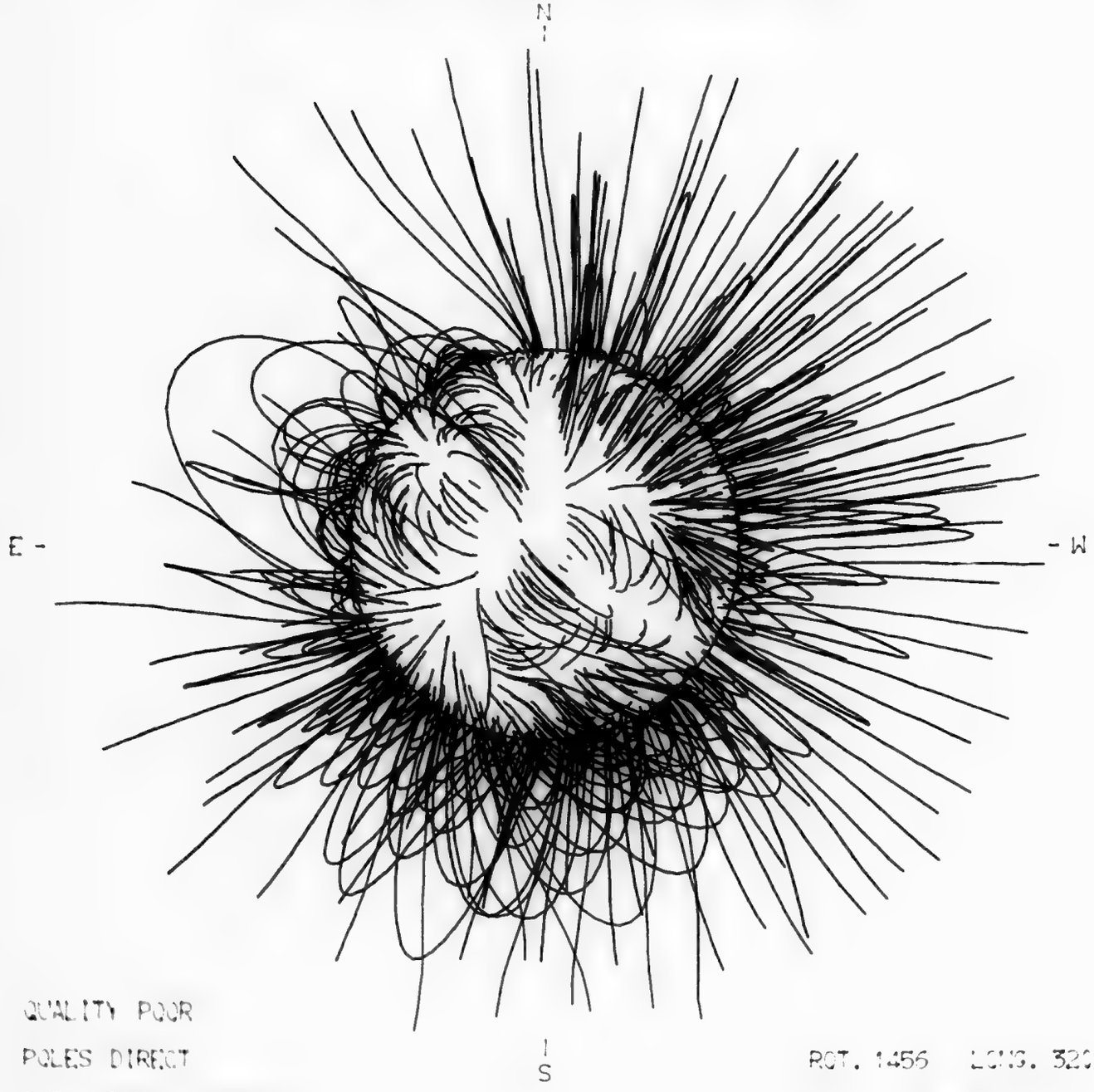
POLES DIRECT

DATA WINDOW 1455.47

ROT. 1456 LONG. 330°

9.7 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1455.47

ROT. 1456 LONG. 320°

10.4 JUL 1962

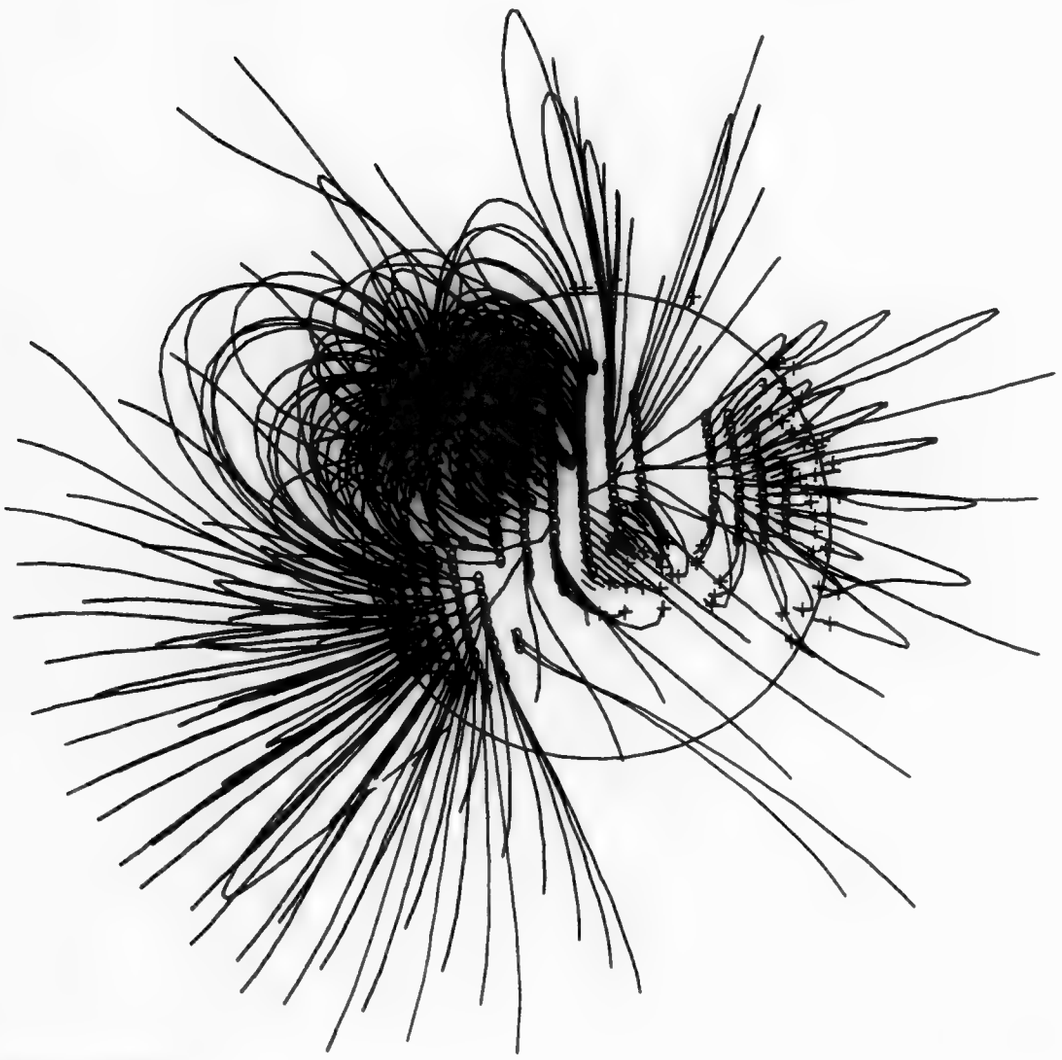
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

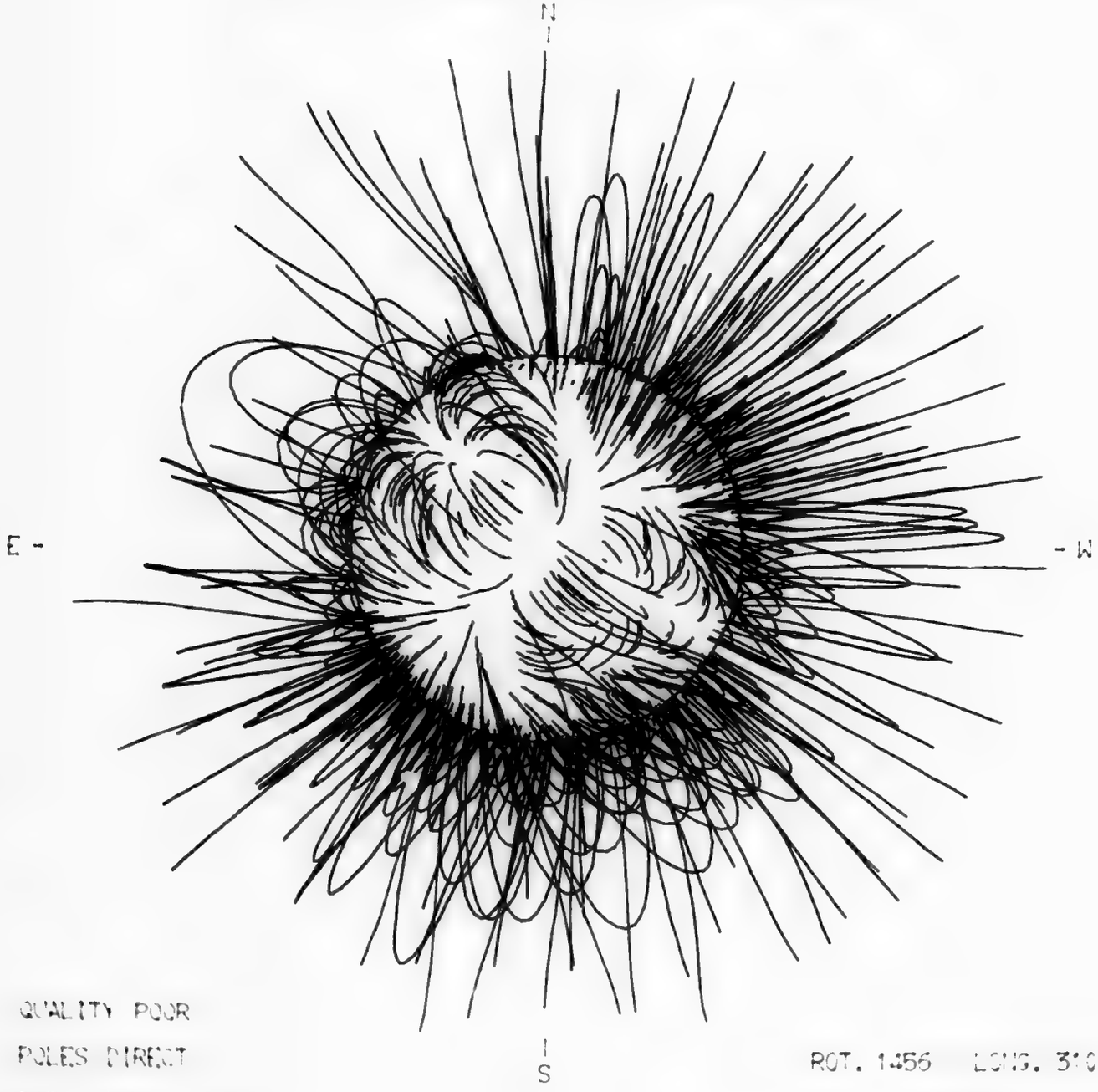
POLES DIRECT

DATA WINDOW 1455.47

ROT. 1456 LONG. 321°

10.4 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

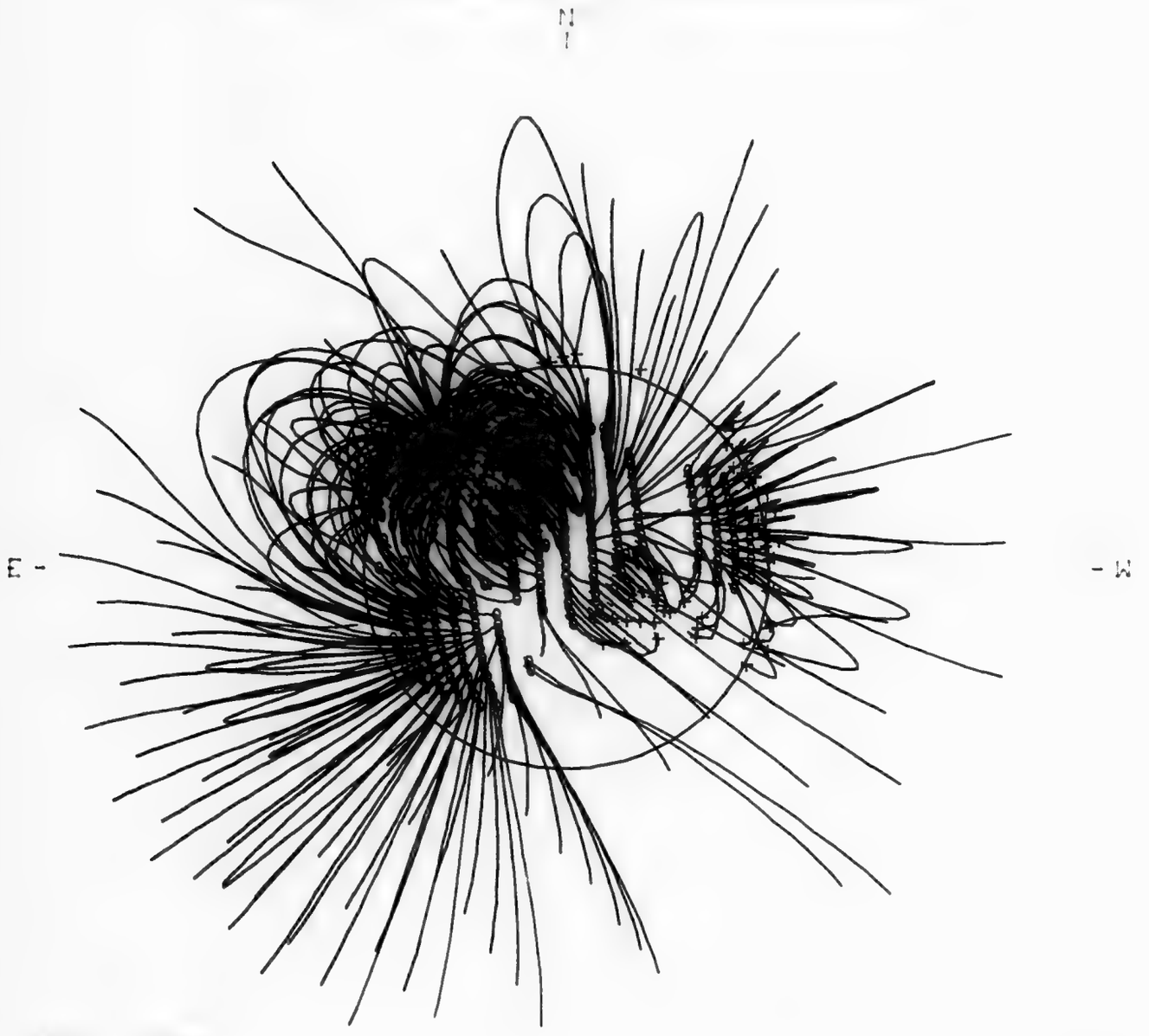
POLES DIRECT

DATA WINDOW 1455.47

ROT. 1456 LONG. 310°

11.2 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

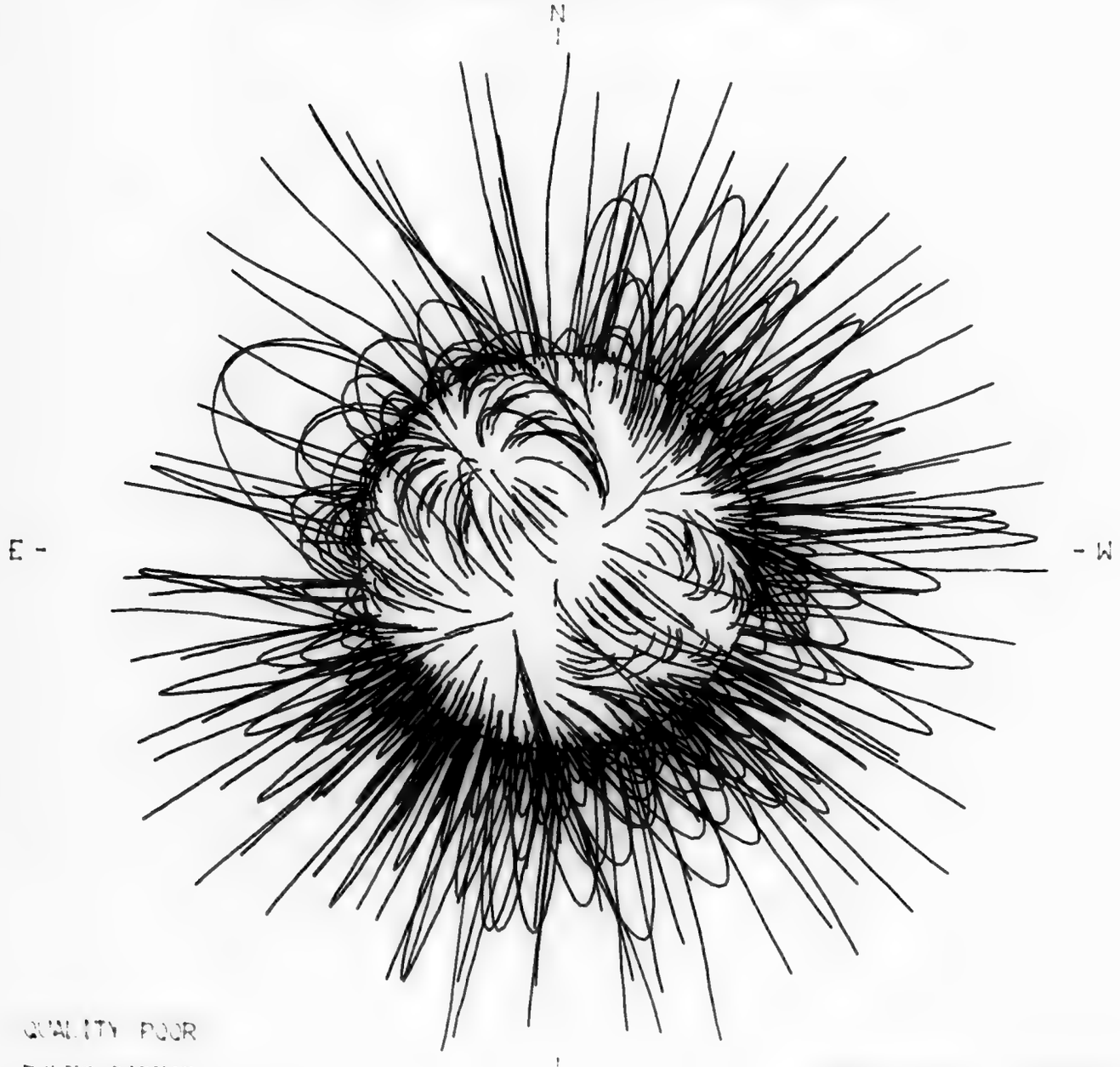
POLES DIRECT

DATA WINDOW 1455.4°

ROT. 1456 LONG. 31.0°

11.2 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1455.47

ROT. 1456 LONG. 300°

11.9 JUL 1952

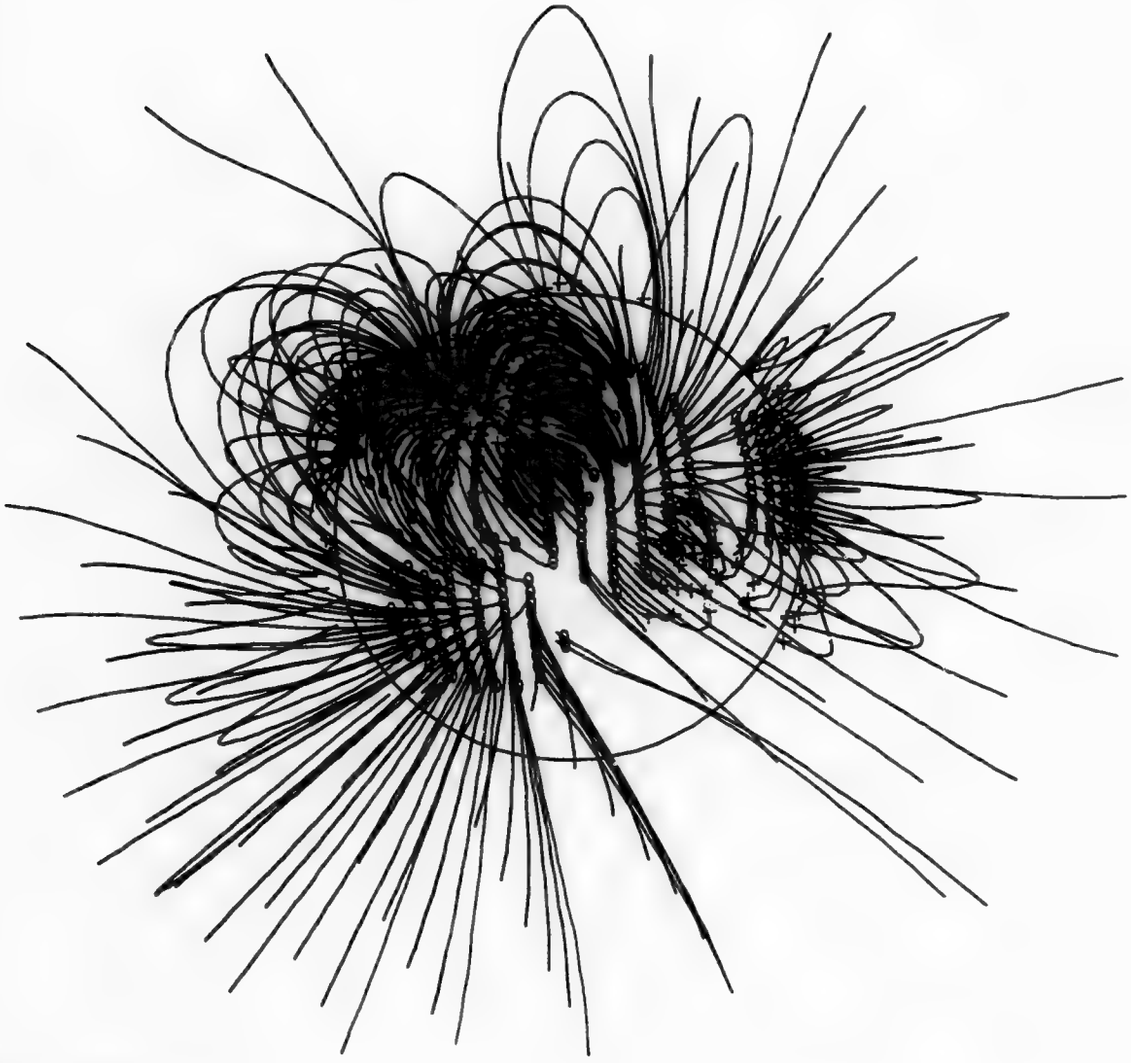
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

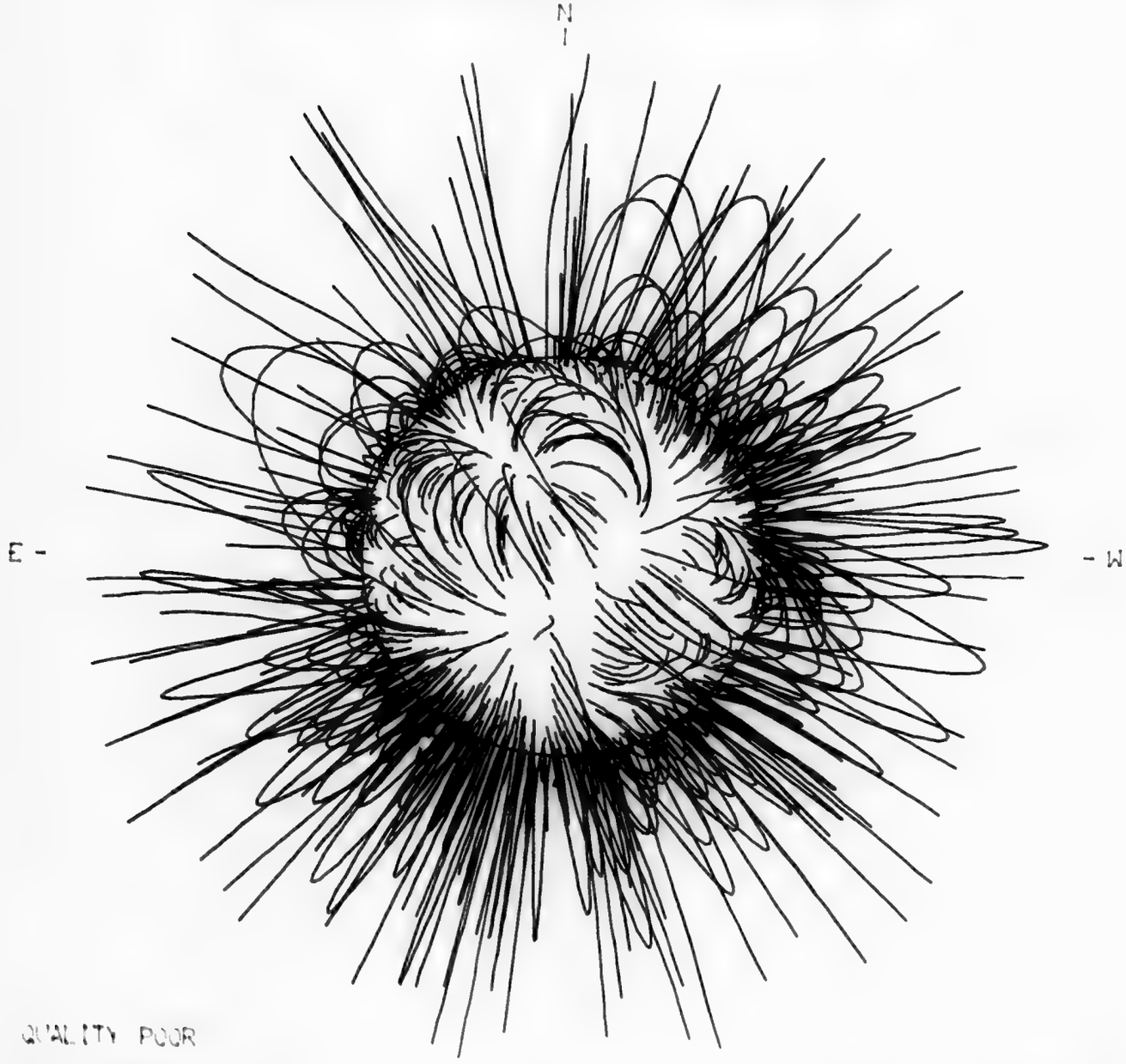
POLES DIRECT

DATA WINDOW 1.355 AU

ROT. 1456 LONG. 300°

11.9 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1455.4°

ROT. 1456 LONG. 240°

12.7 JUL 1962

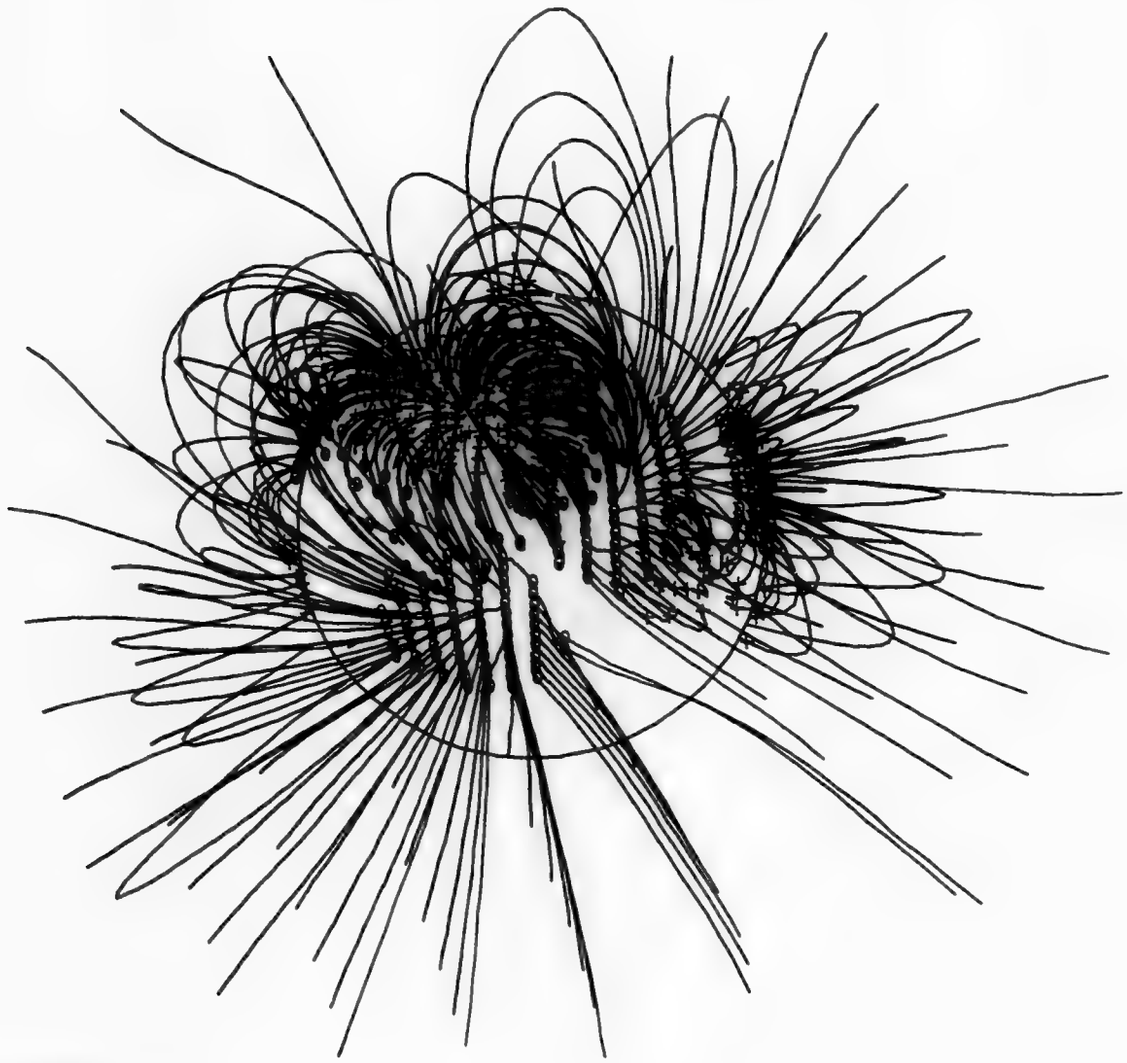
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY POOR

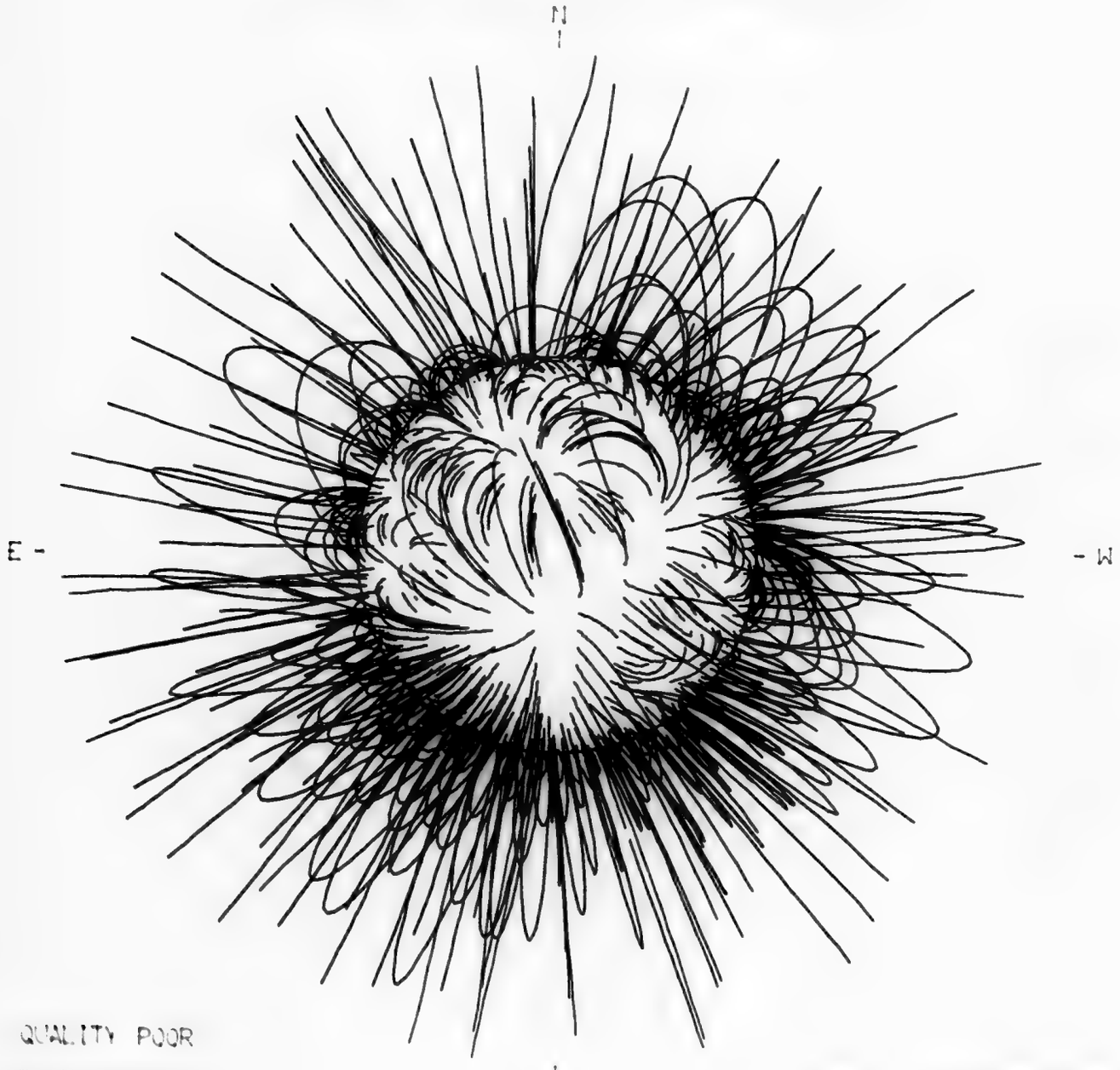
POLES DIRECT

DATA WINDOW 1355.4°

ROT. 1456 LONG. 290°

12.7 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1.155..17

ROT. 1456 LONG. 280°

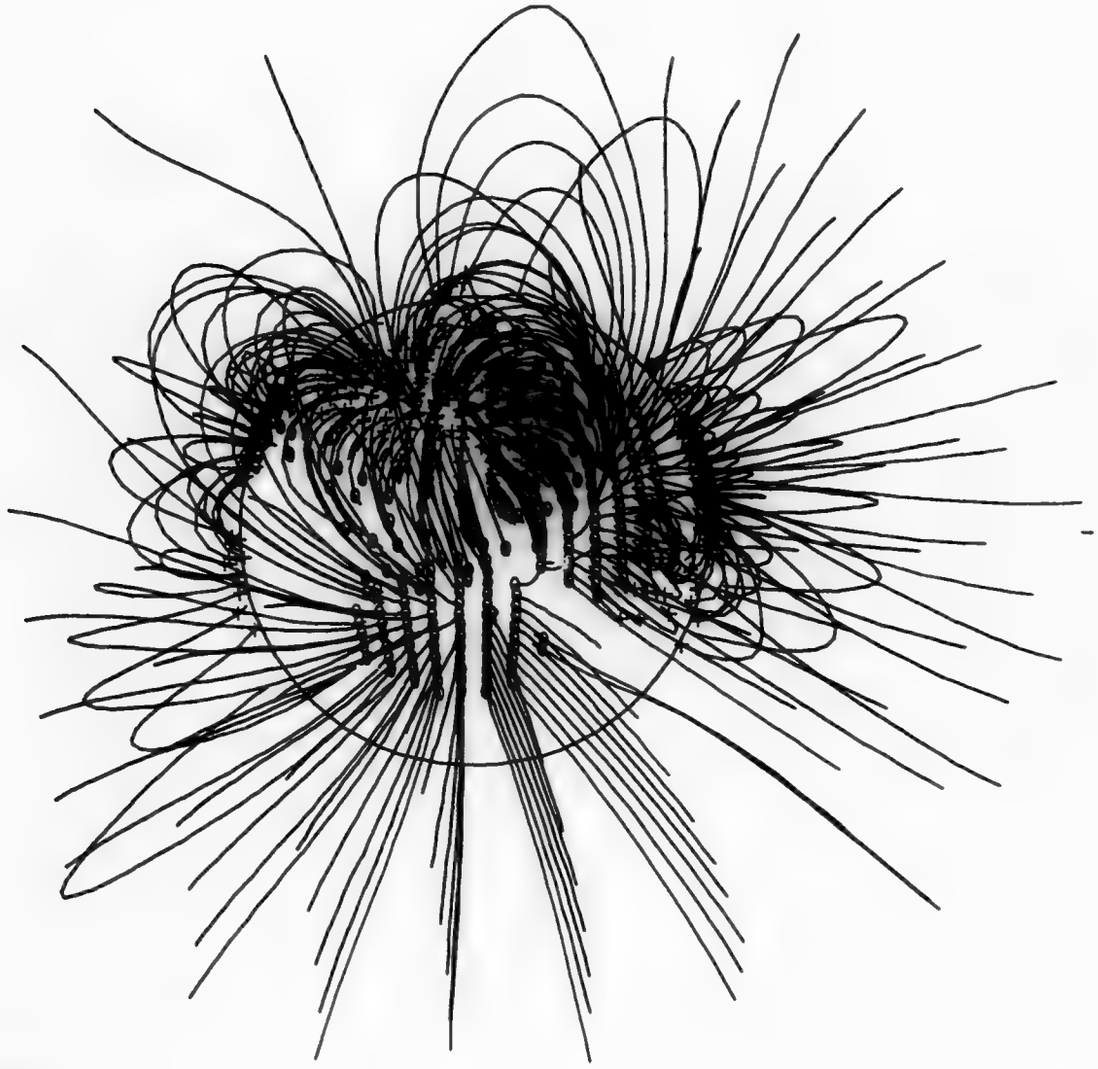
13.5 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY POOR

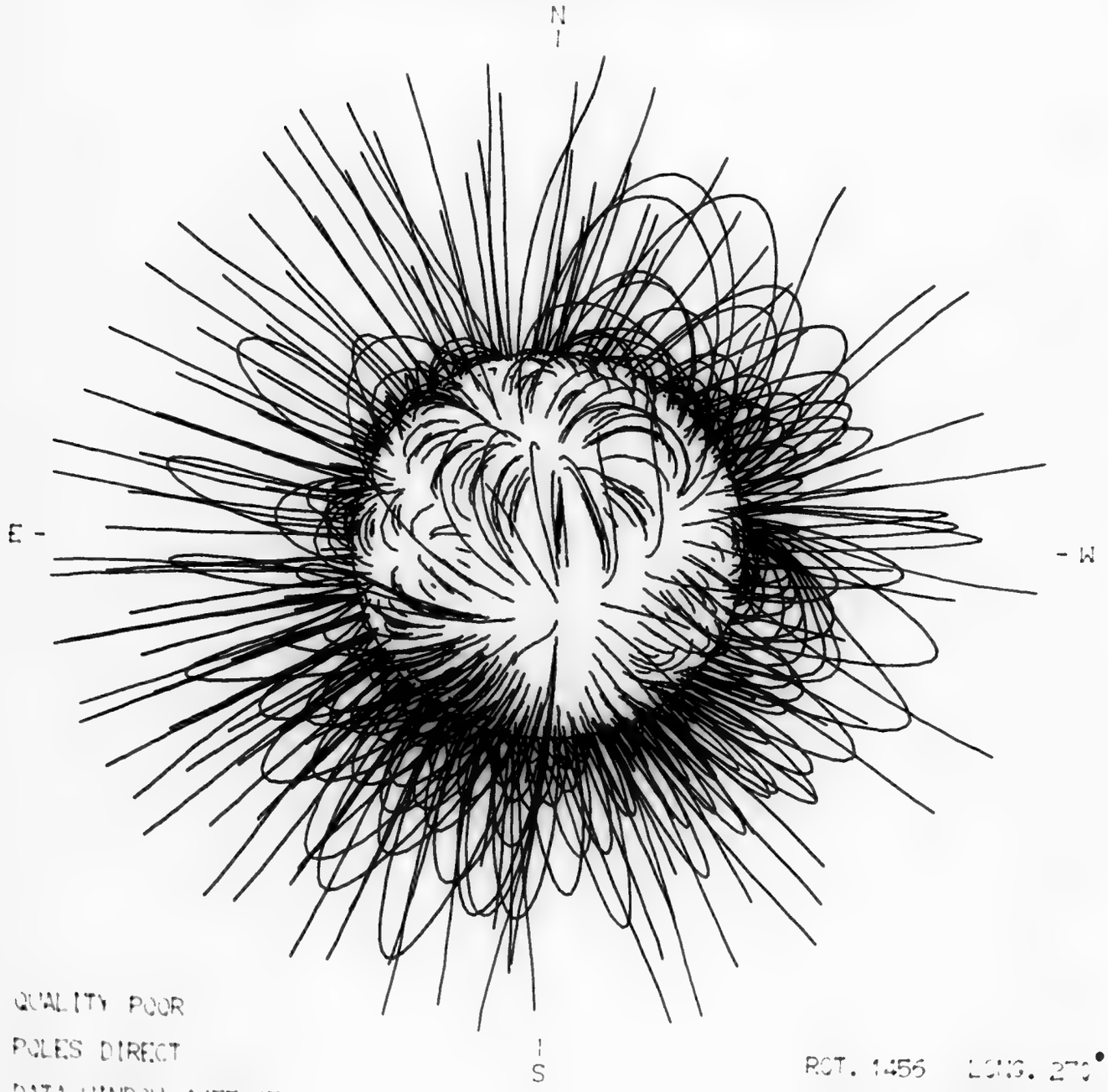
POLES DIRECT

DATA WINDOW 1.555..2?

ROT. 1456 LONG. 280°

13.5 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1455.47

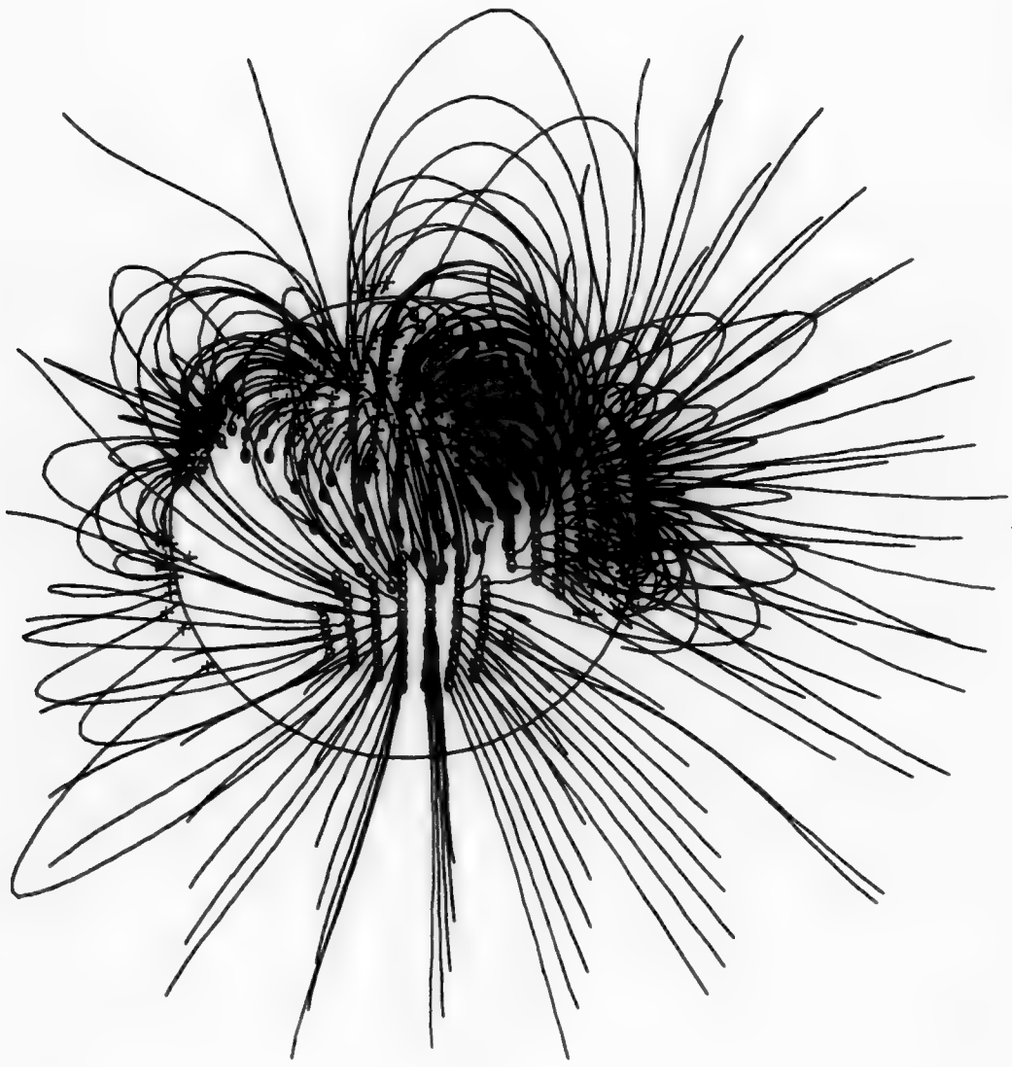
ROT. 1456 LONG. 270°

14.2 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- W

S

QUALITY POOR

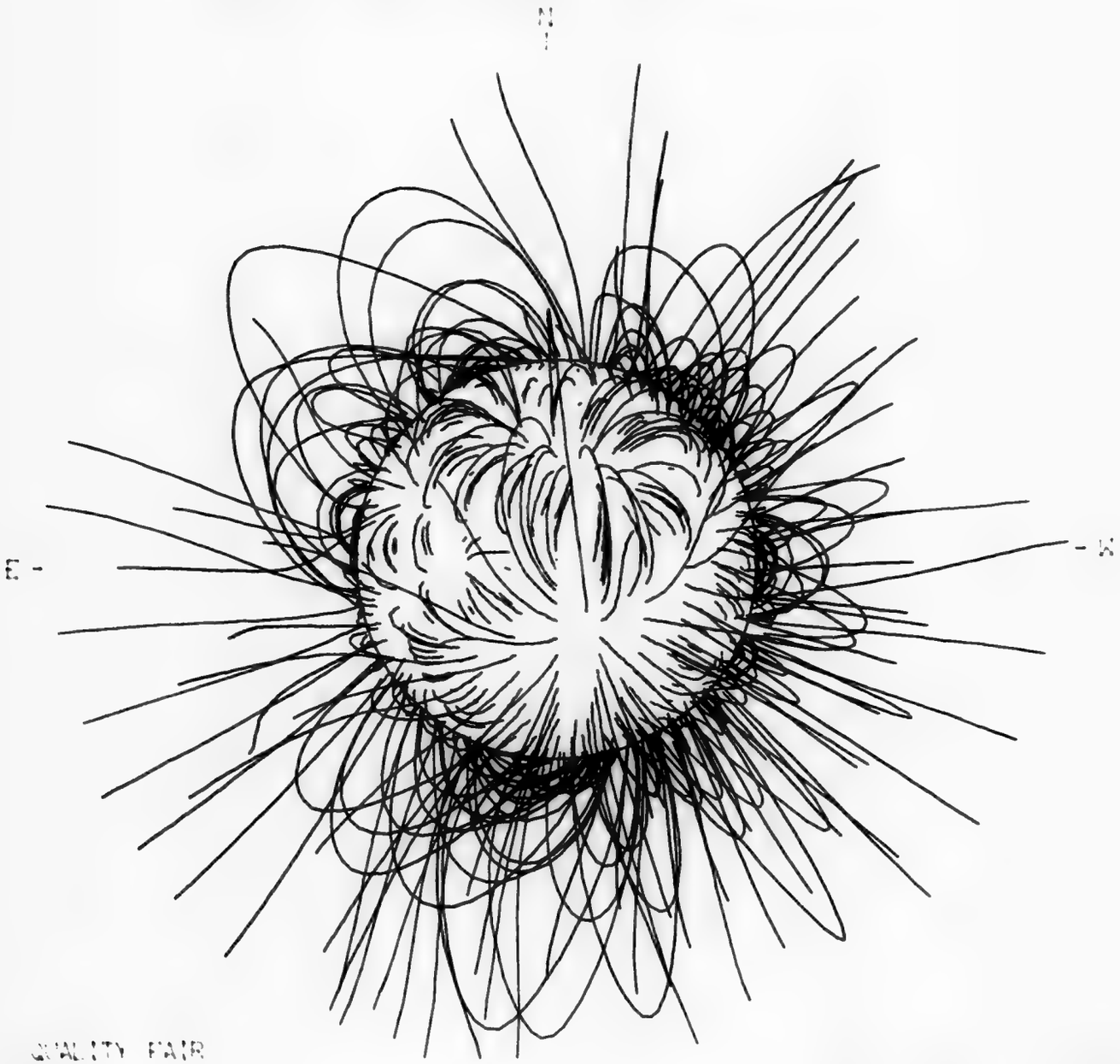
POLES DIRECT

DATA WINDOW 1455,.5°

ROT. 1456 LONG. 270°

14.2 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

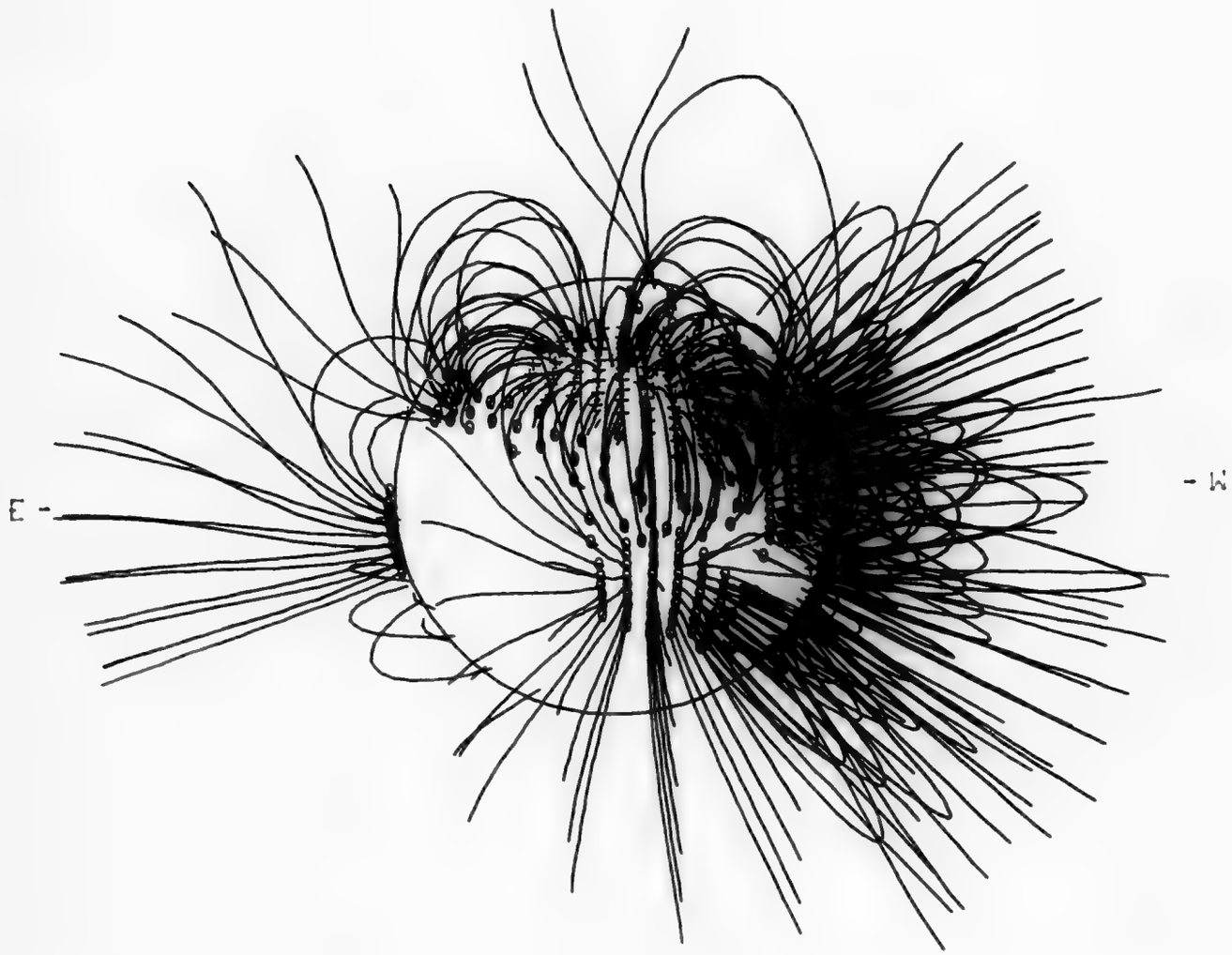
DATA WINDOW 1456.00

ROT. 1456 LONG. 250°

14.9 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



S

QUALITY FAIR

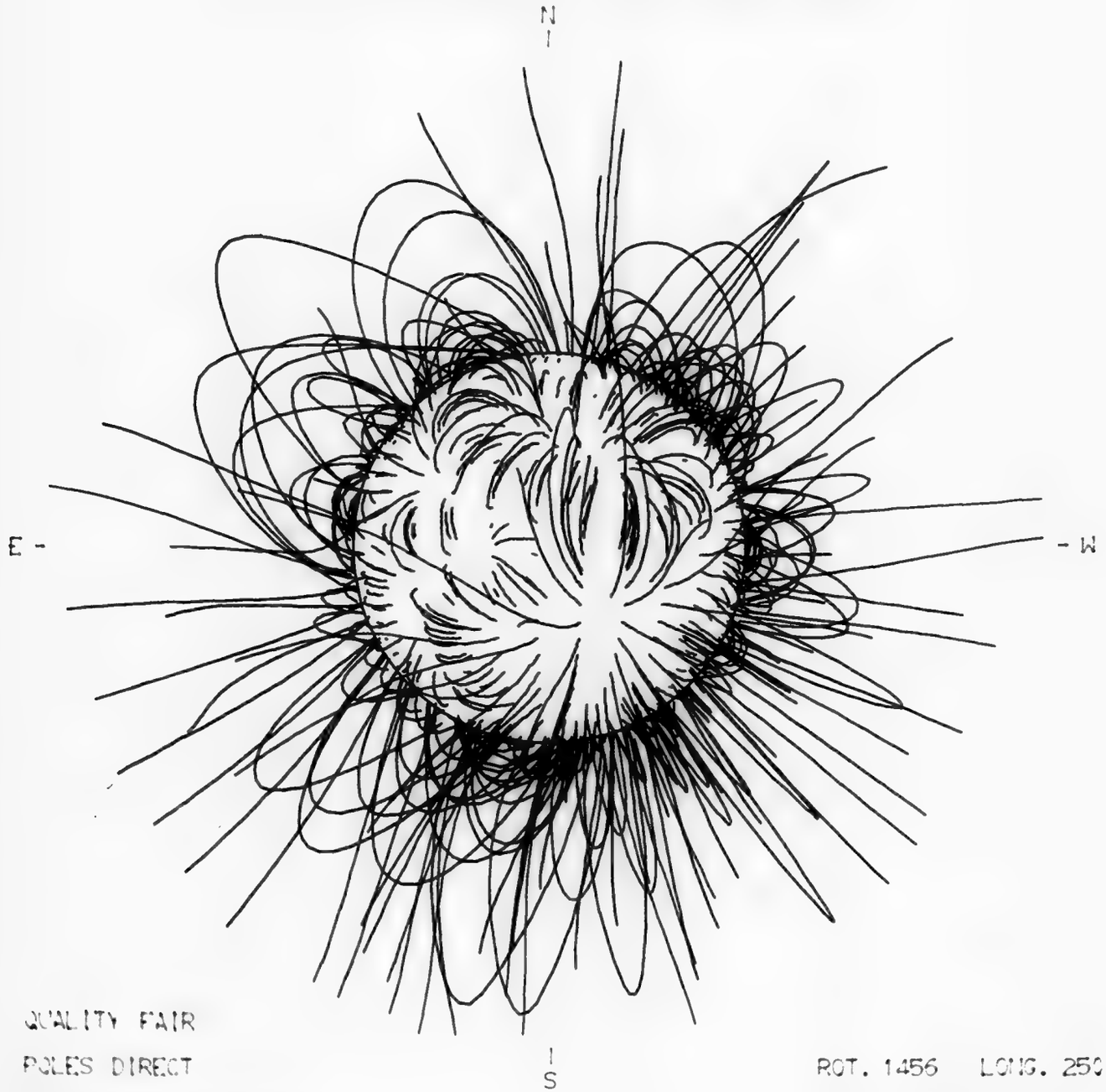
POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 260°

14.9 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

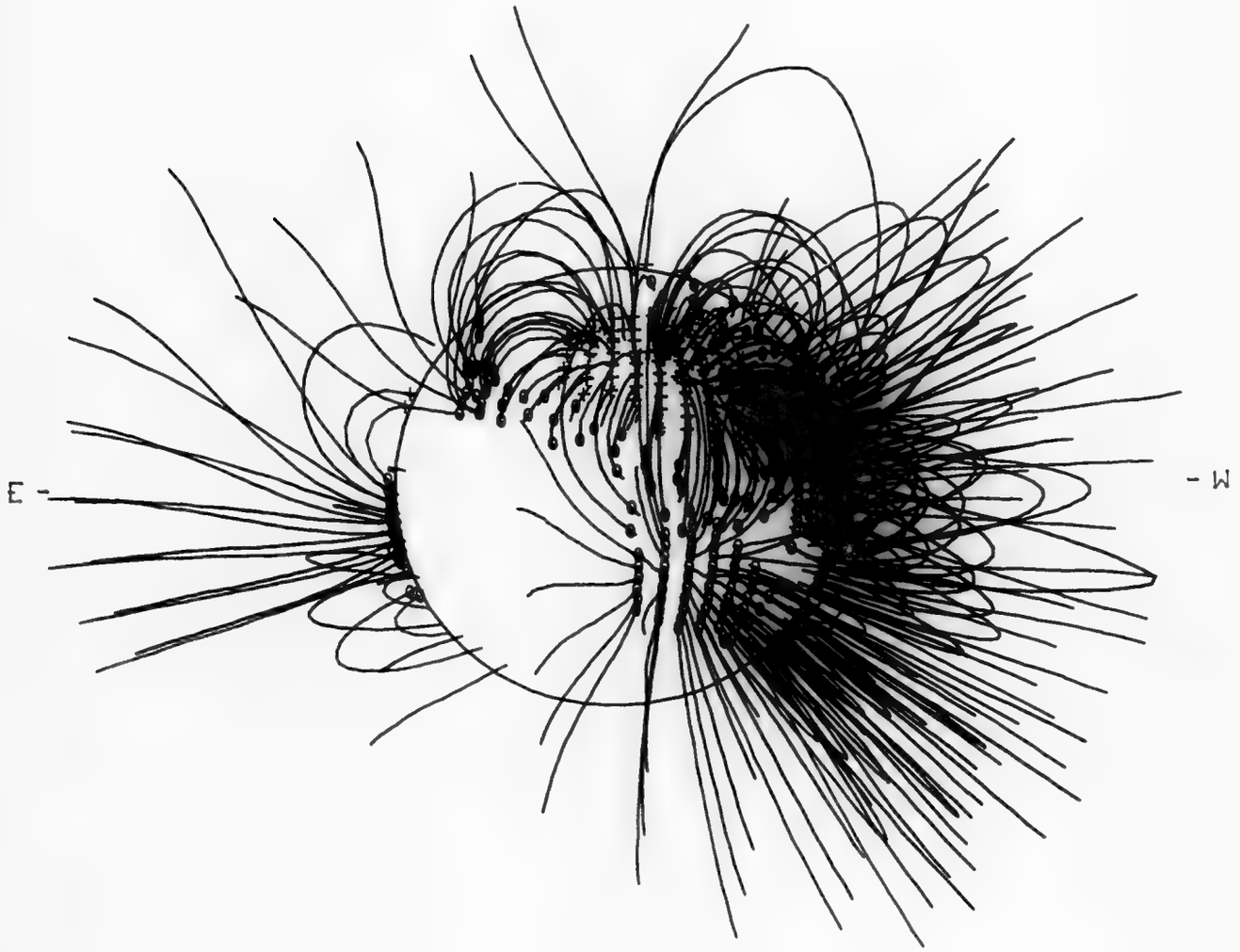
POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 250°

15.7 JUL 1962

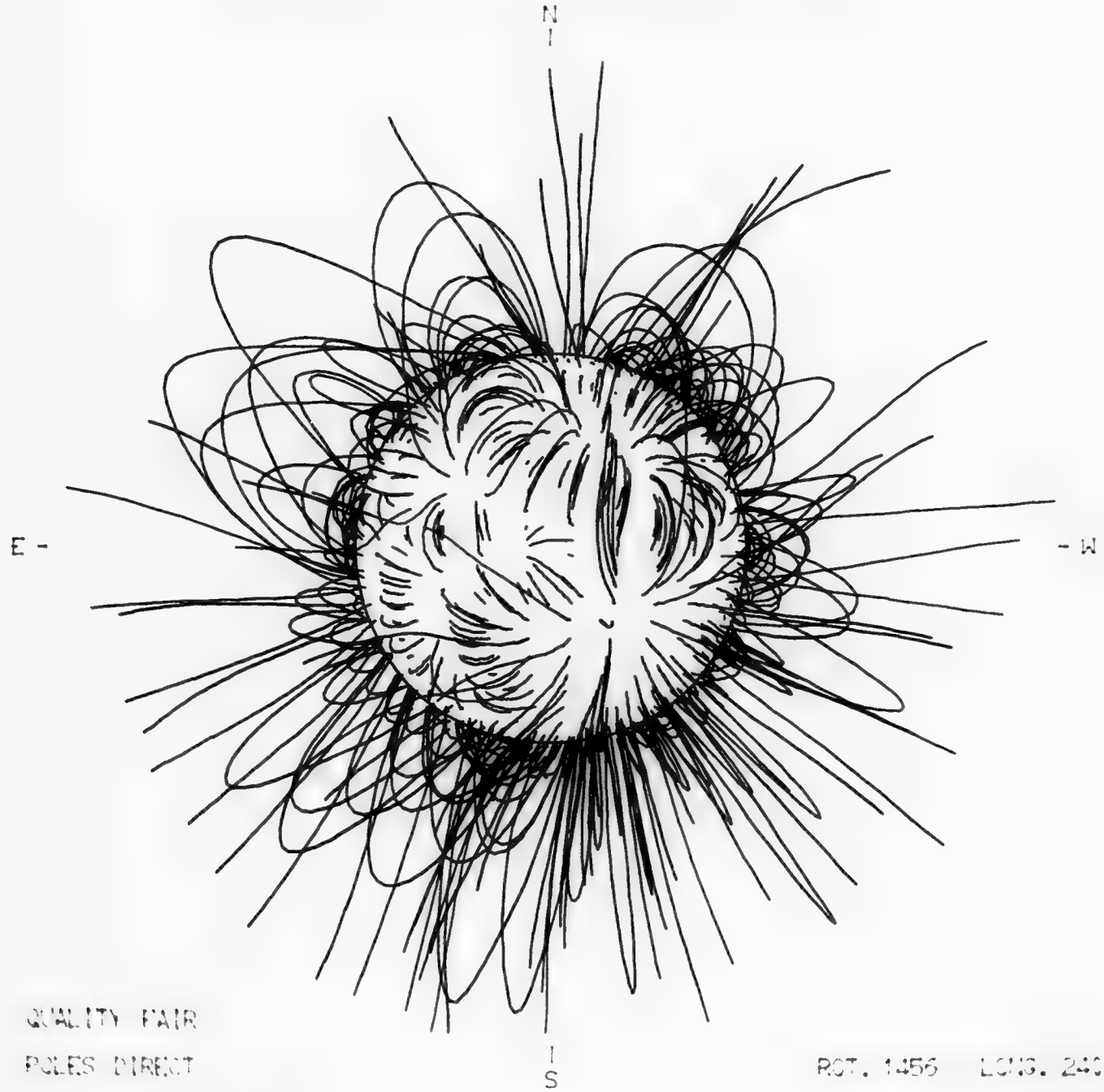
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.00

ROT. 1456 LONG. 250°
15.7 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

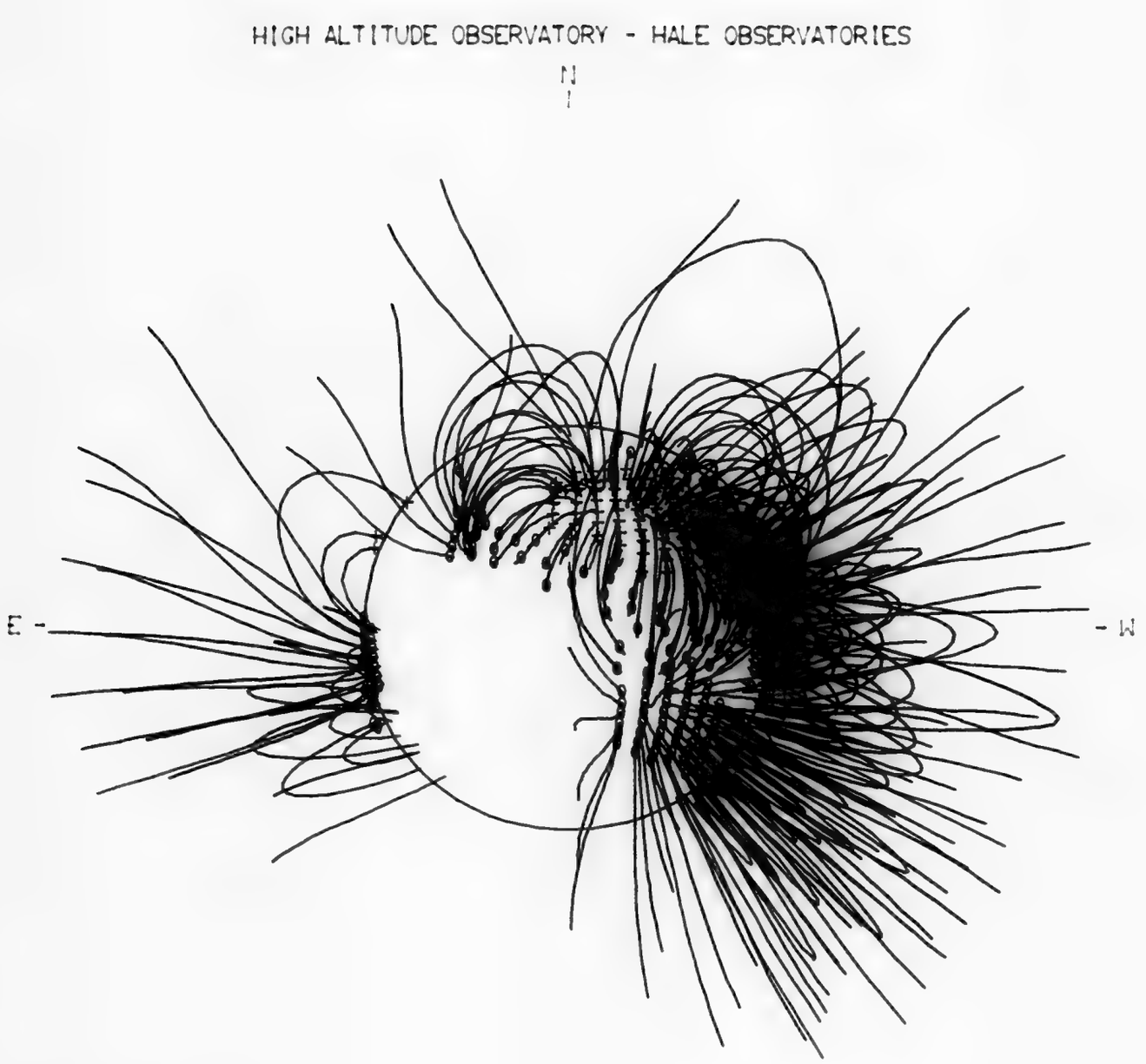
POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 240°

16.4 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

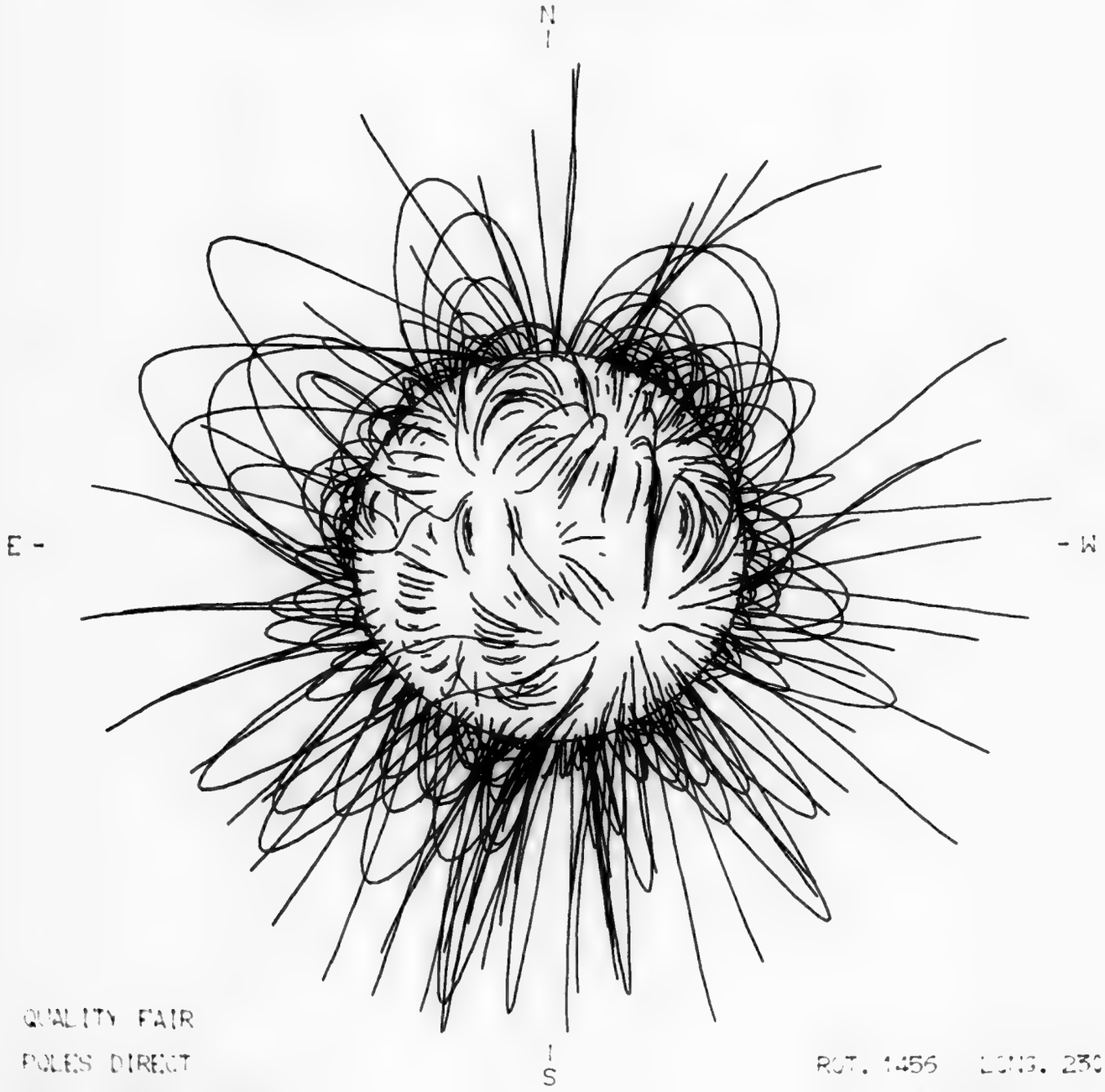
POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 240°

16.4 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 230°

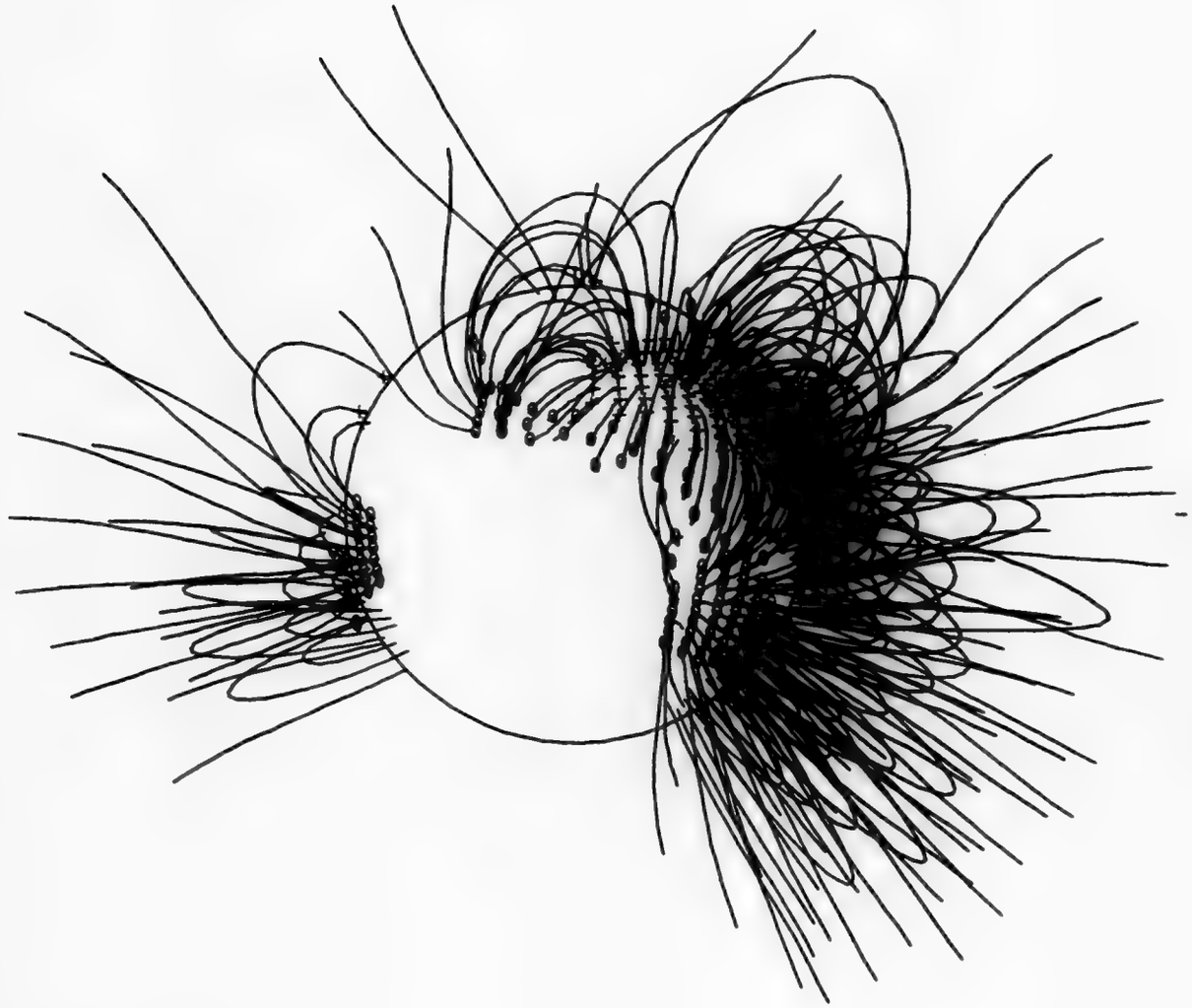
17.2 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY FAIR

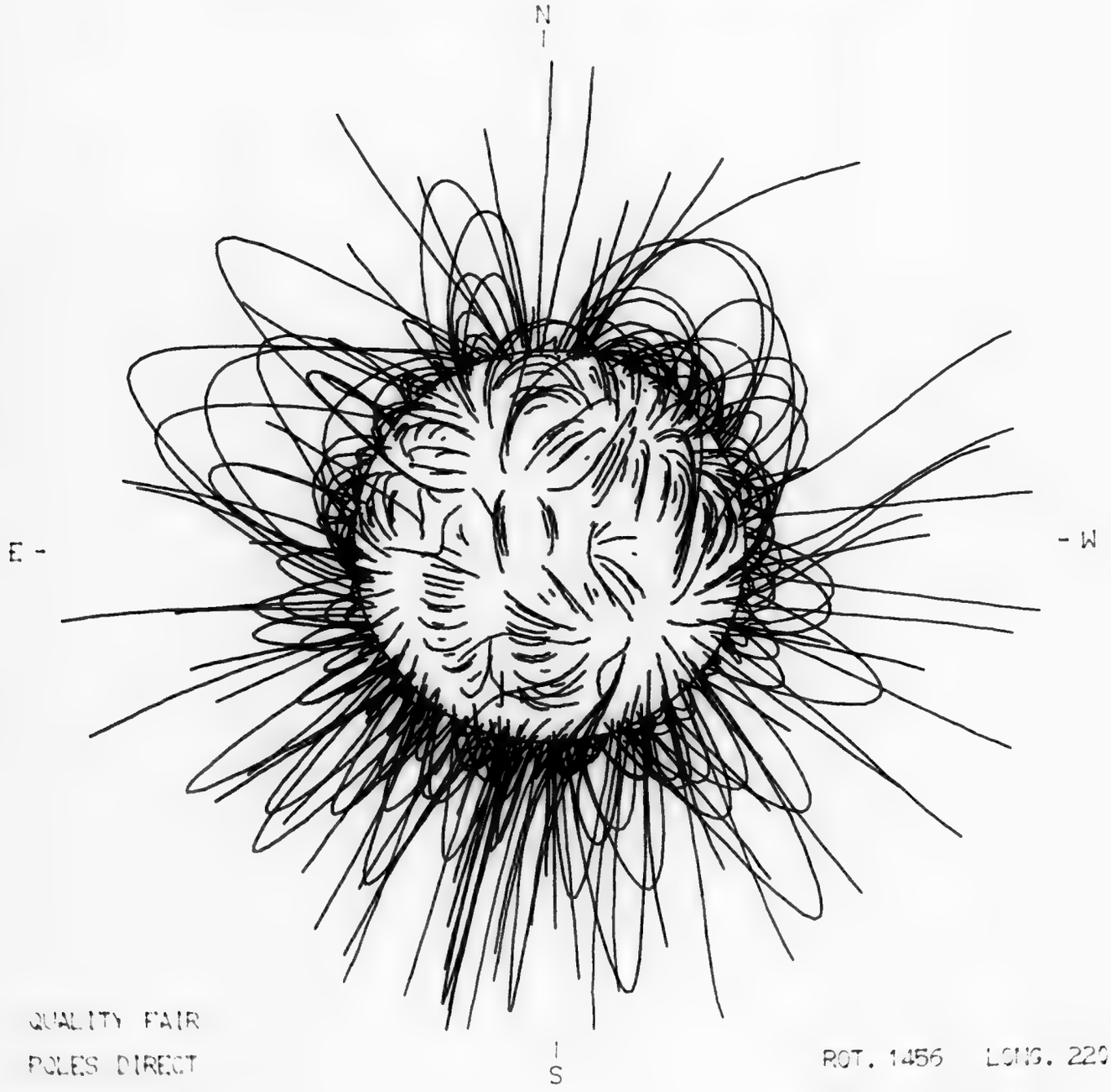
POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 230°

17.2 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

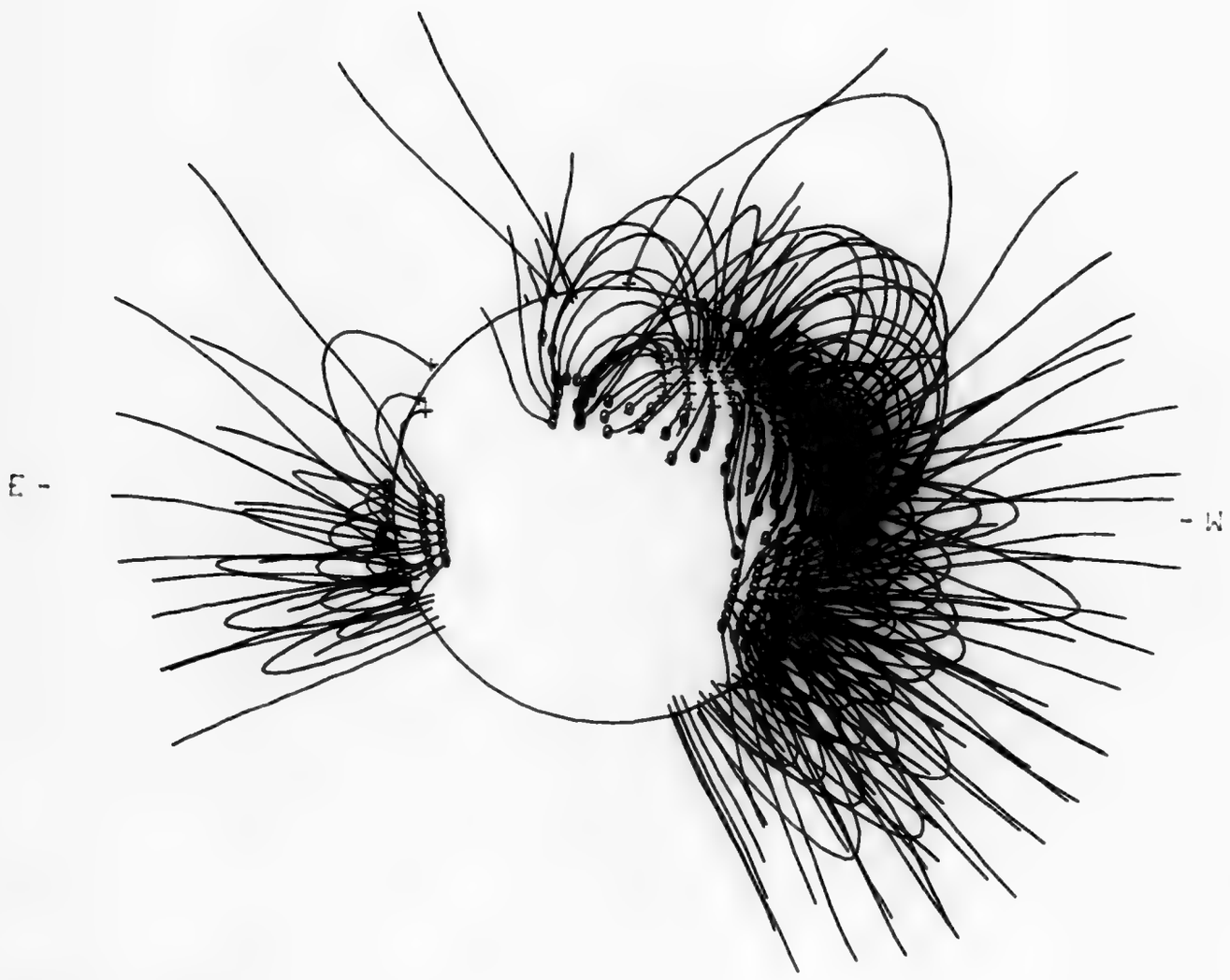
POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 220°

18.0 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

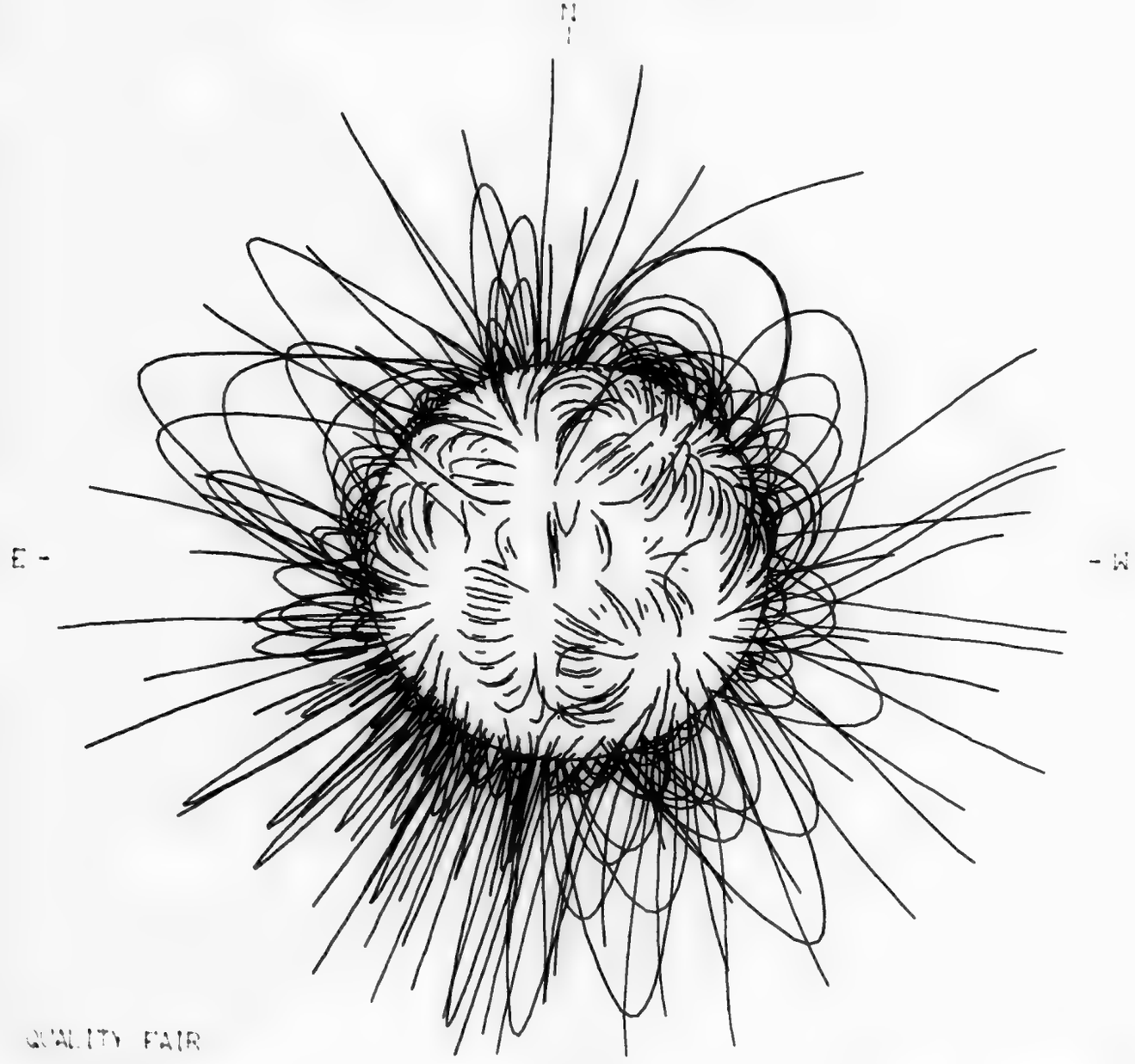
POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 [illegible]

18.0 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

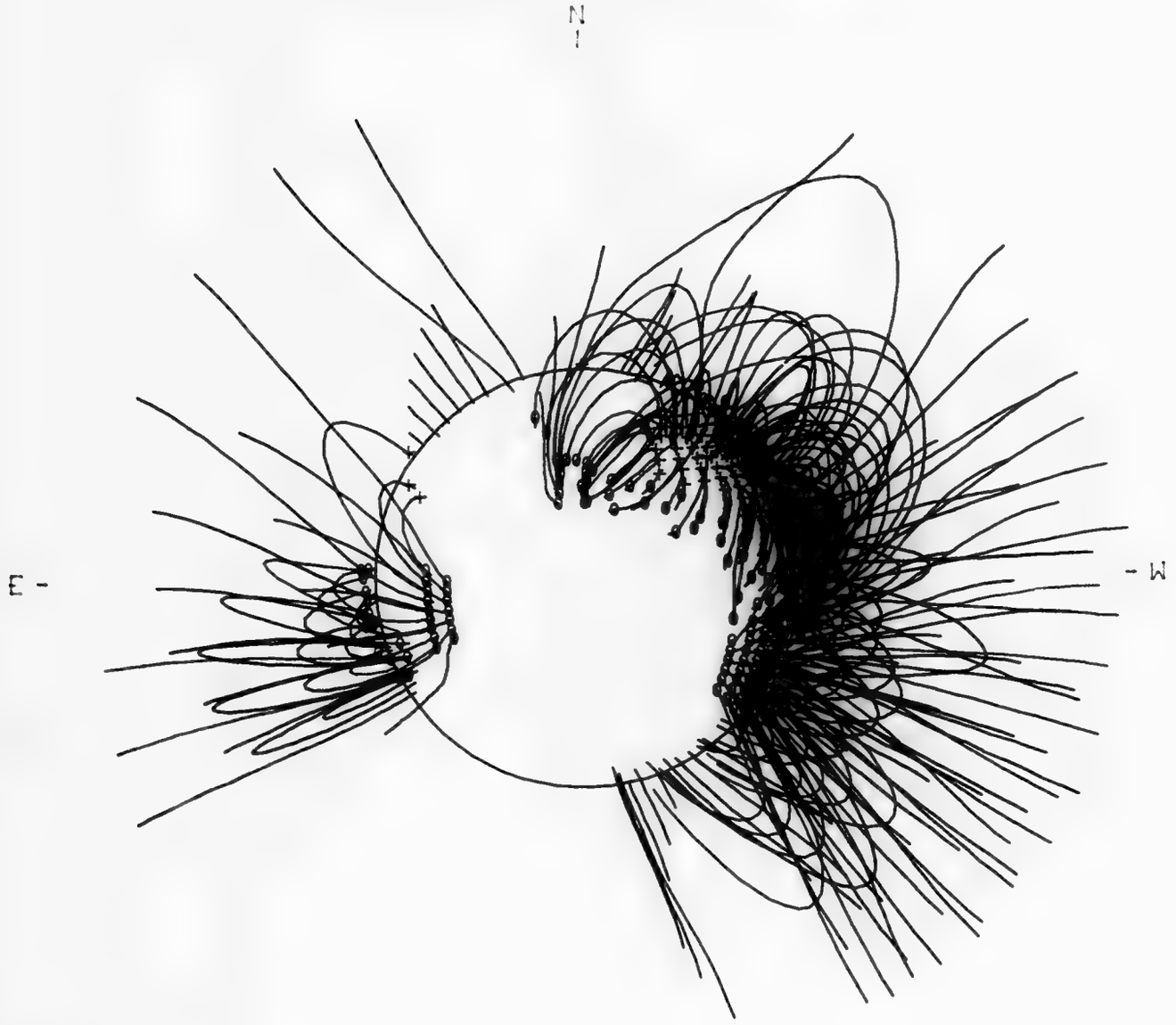
POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 210°

18.7 JUL 1962

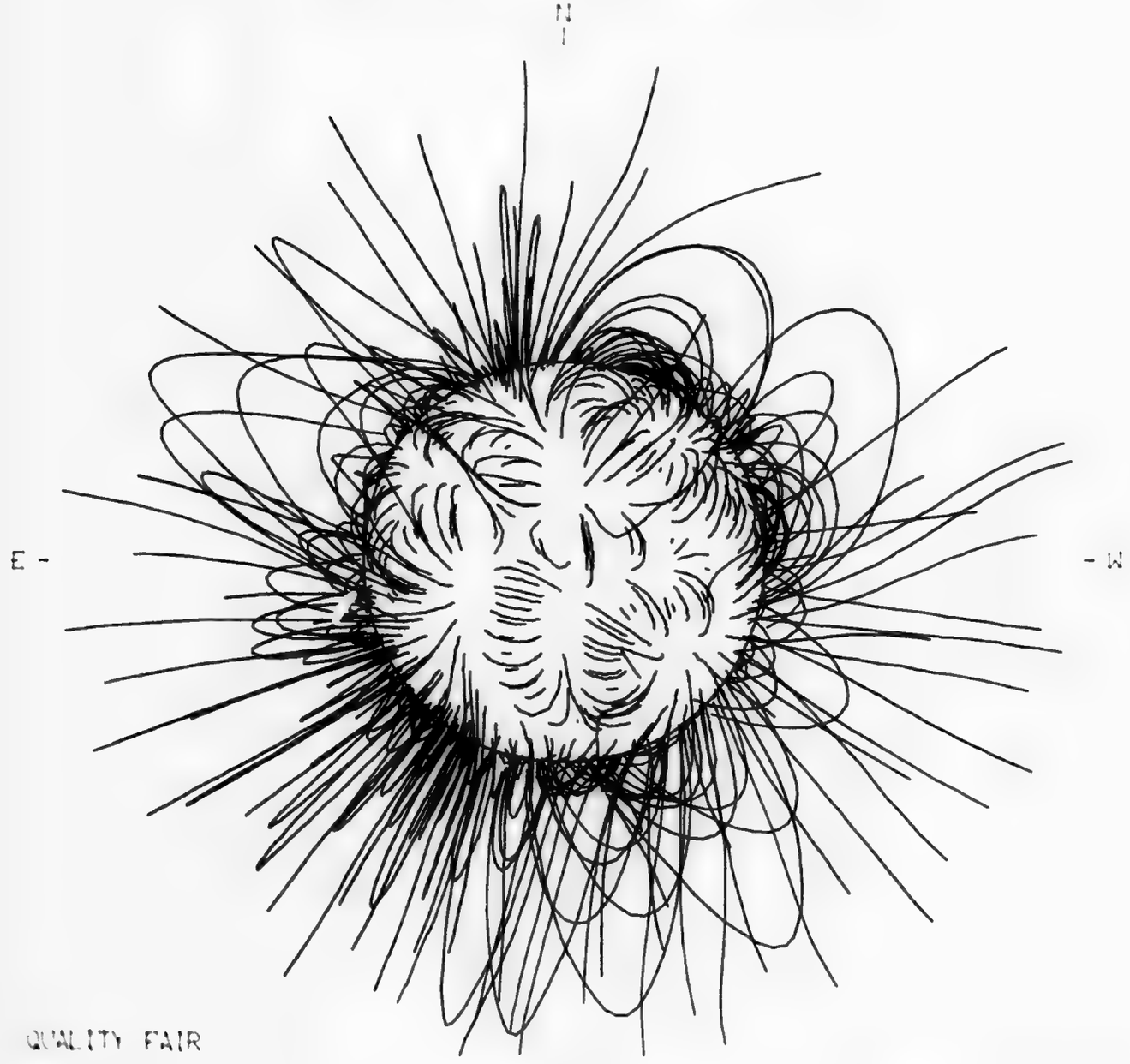
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.00

ROT. 1456 LONG. 210°
18.7 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 200°

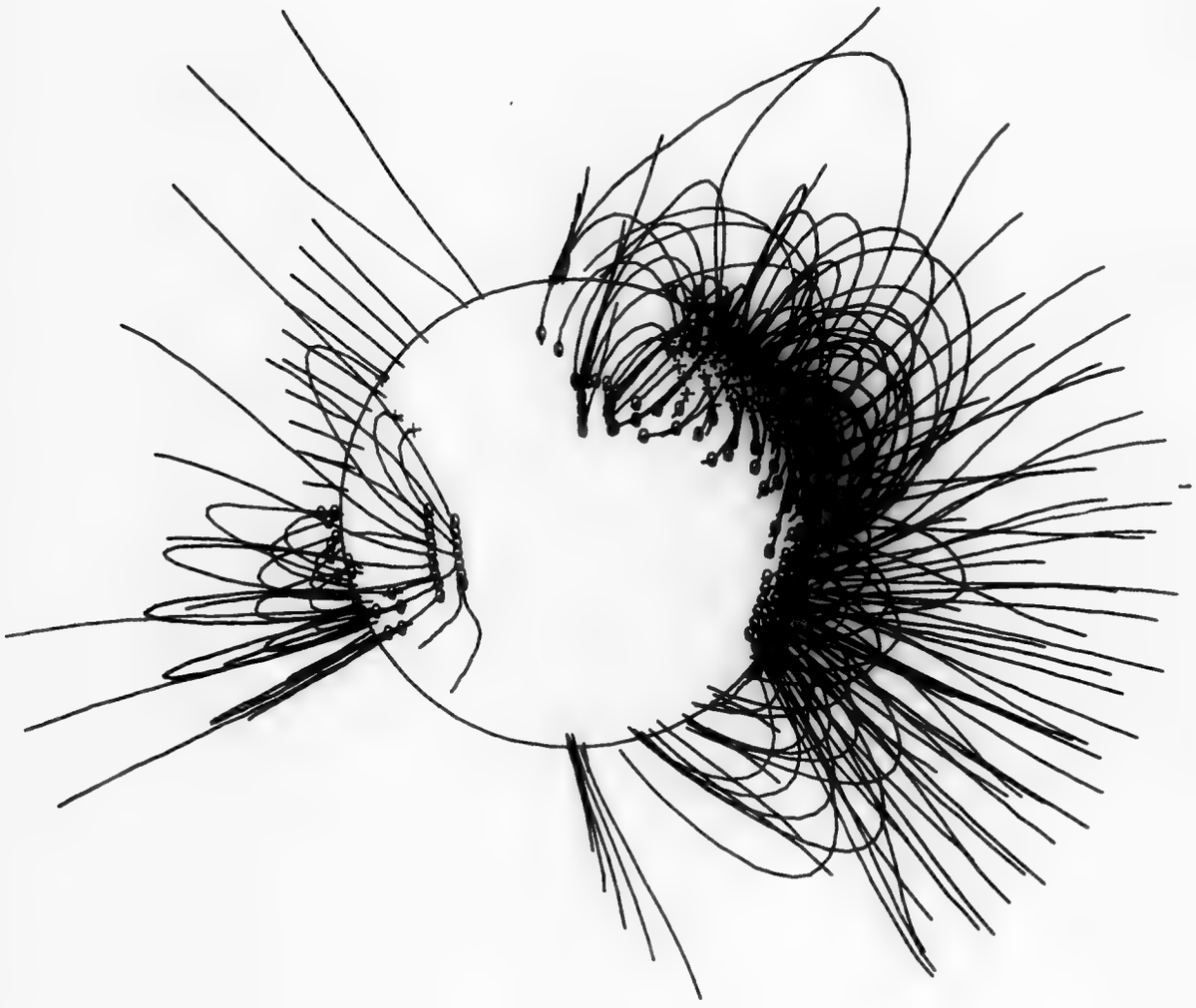
19.5 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W



S

QUALITY FAIR

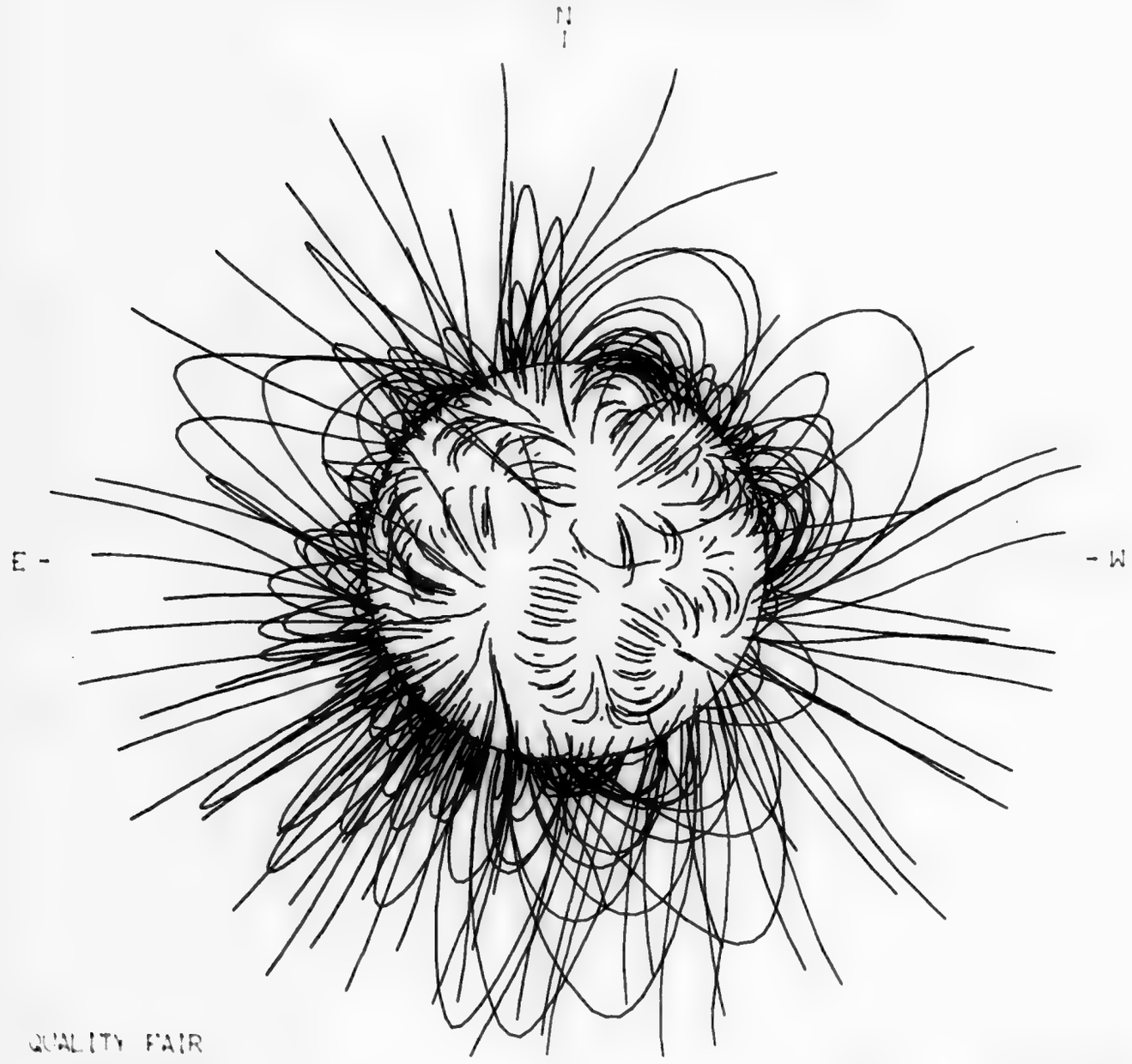
POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 200°

19.5 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 190°

20.2 JUL 1962

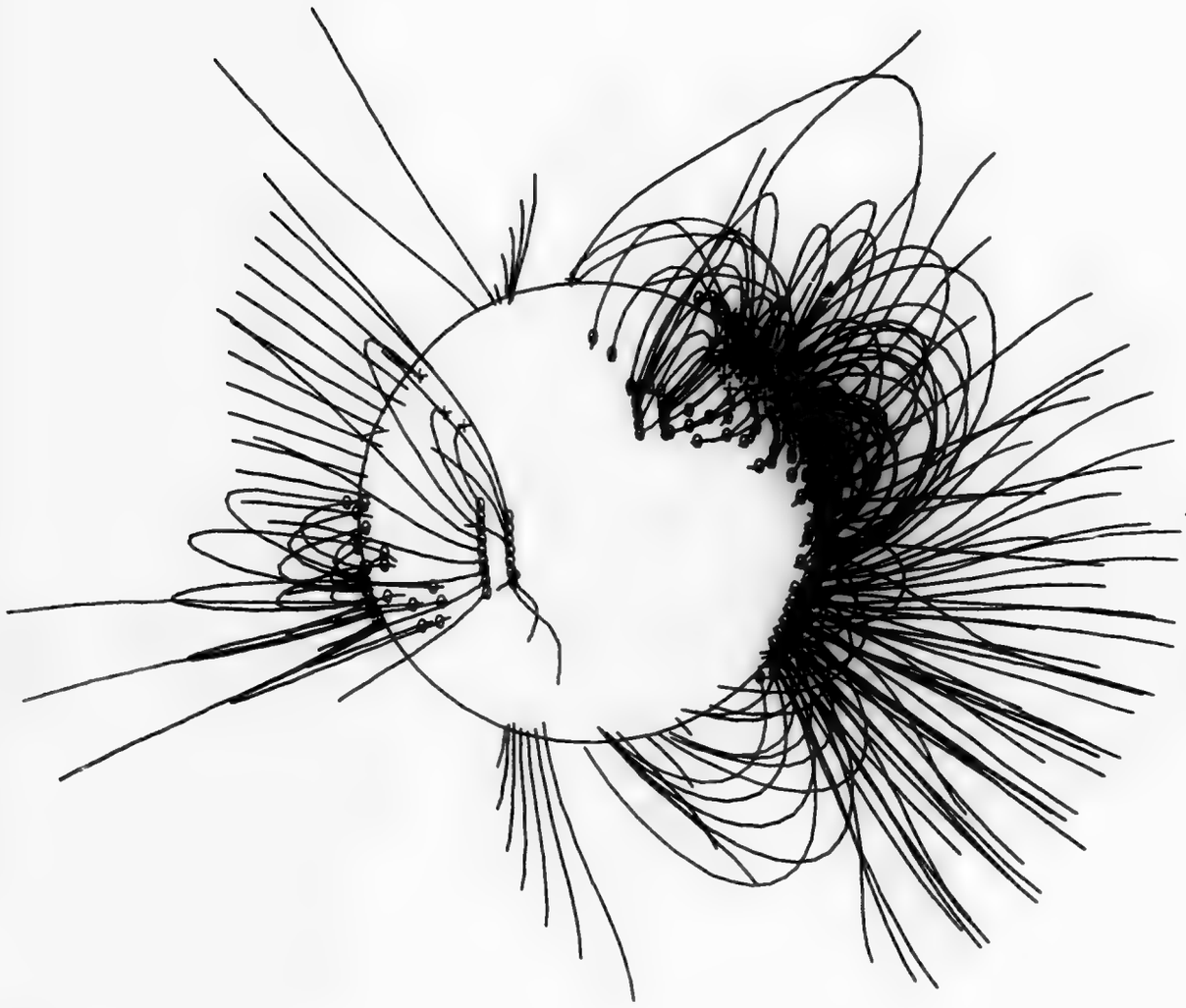
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY FAIR

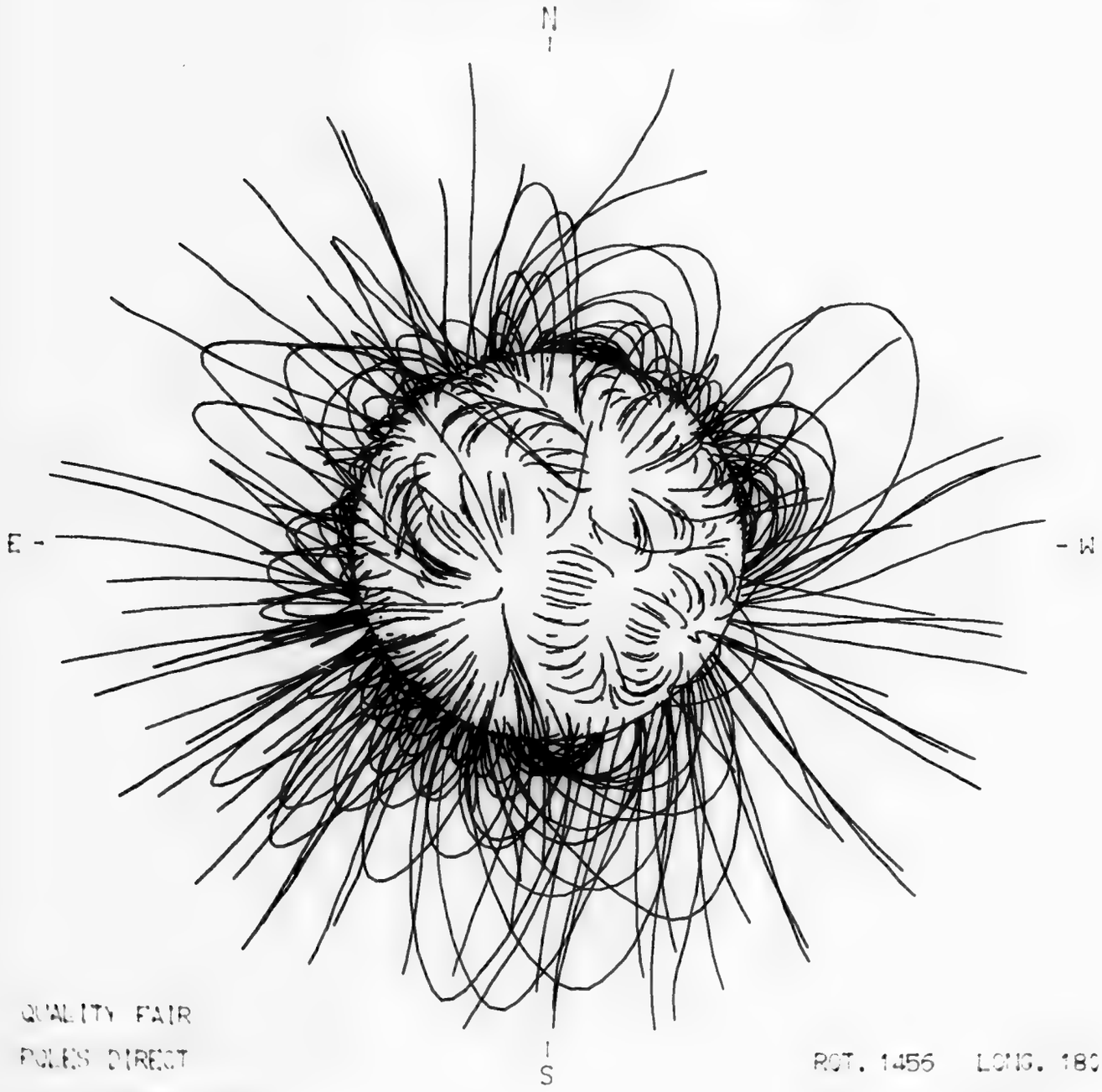
POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 190°

20.2 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

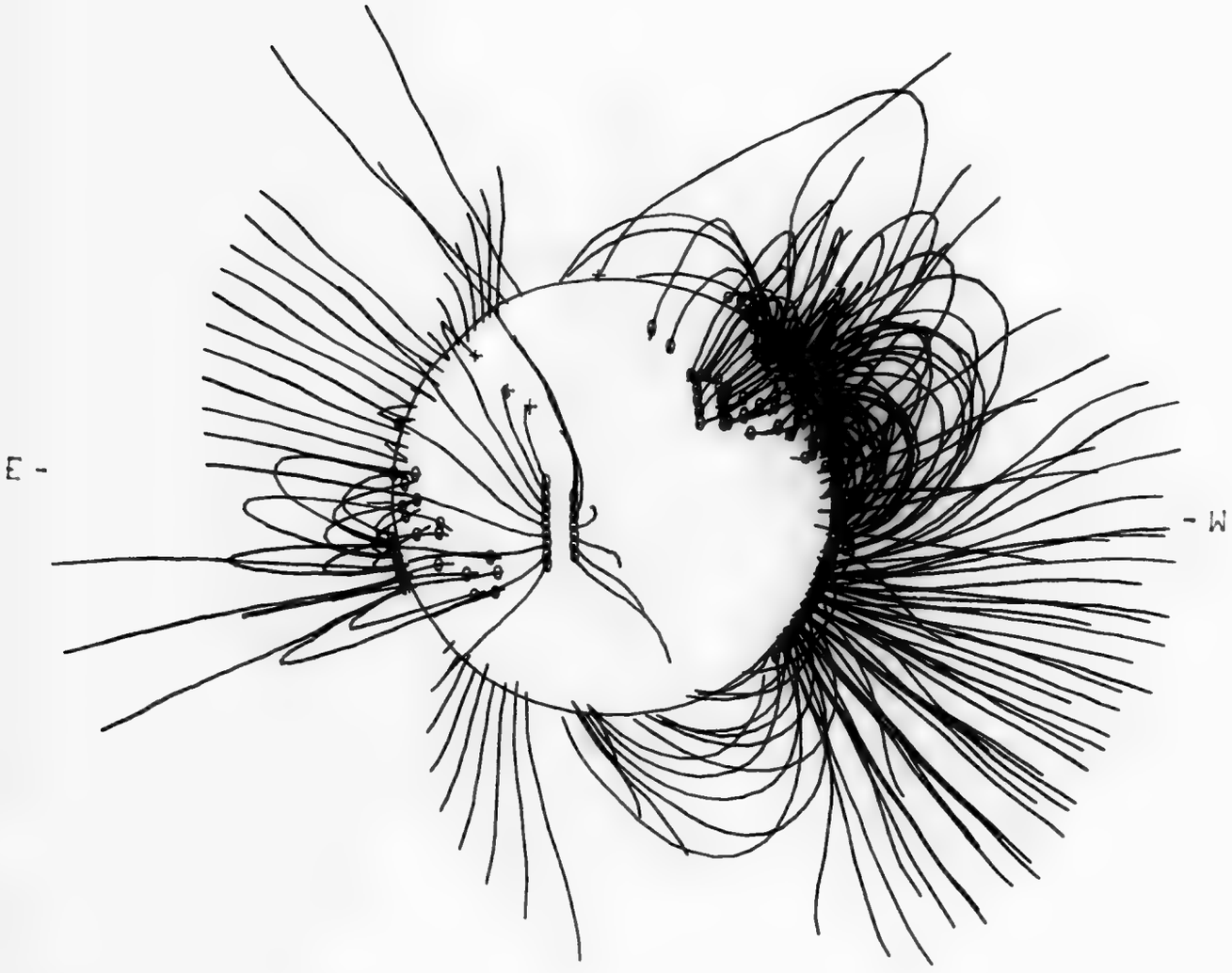
DATA WINDOW 1456.00

ROT. 1456 LONG. 180°

21.0 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



QUALITY FAIR

POLES DIRECT

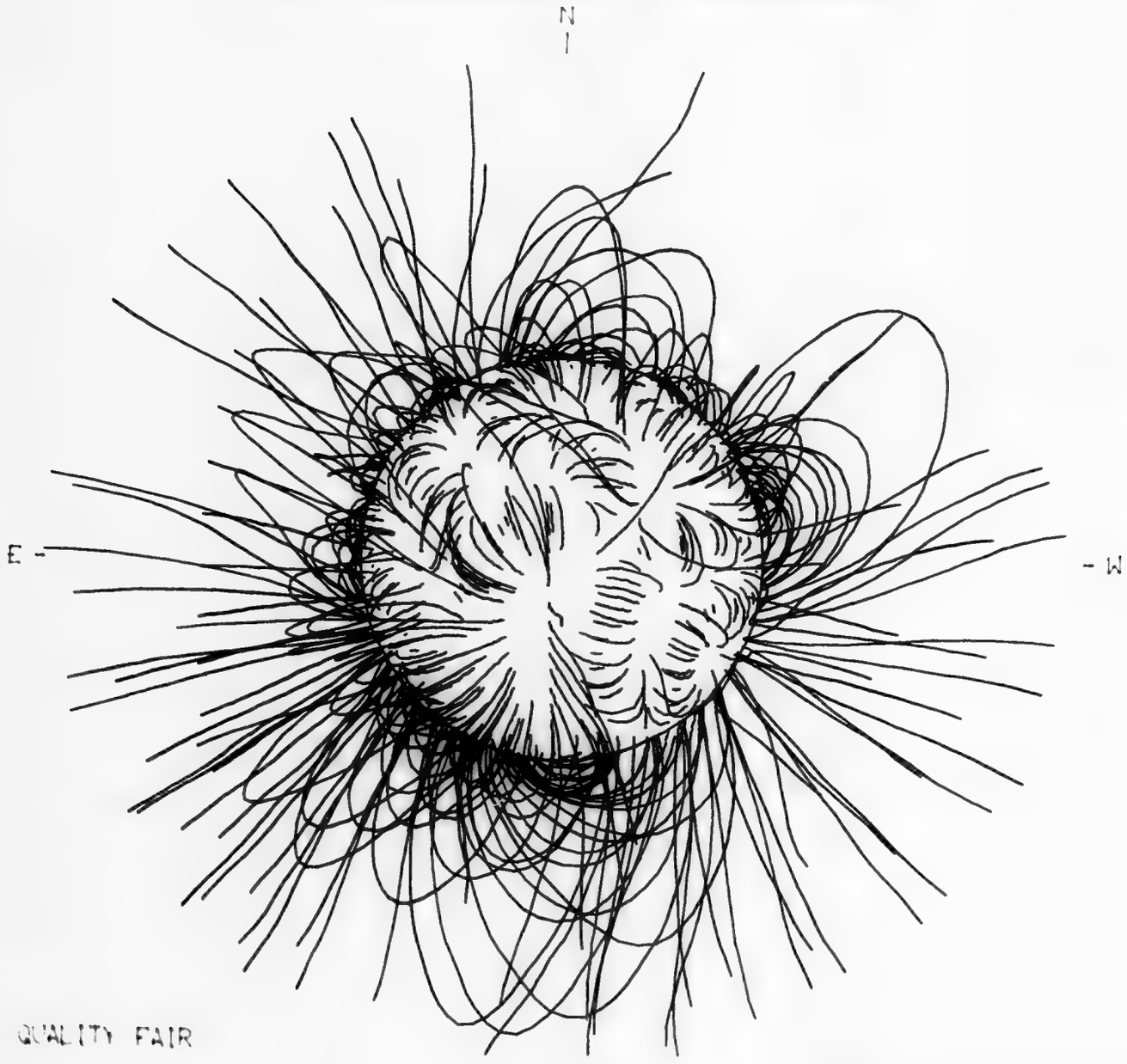
DATA WINDOW 1456.00

S

ROT. 1456 LONG. 180°

21.0 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 179°

21.7 JUL 1962

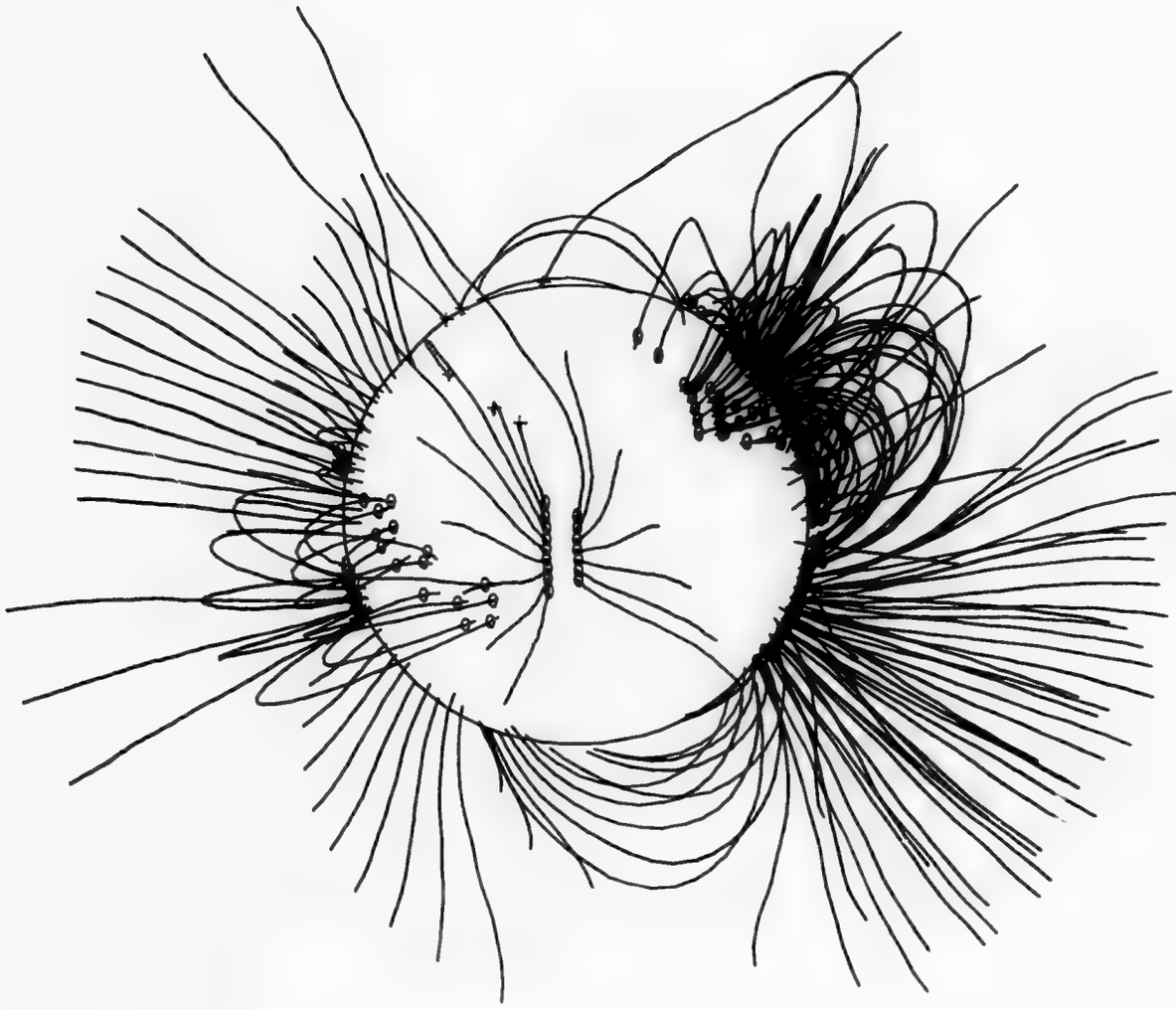
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY FAIR

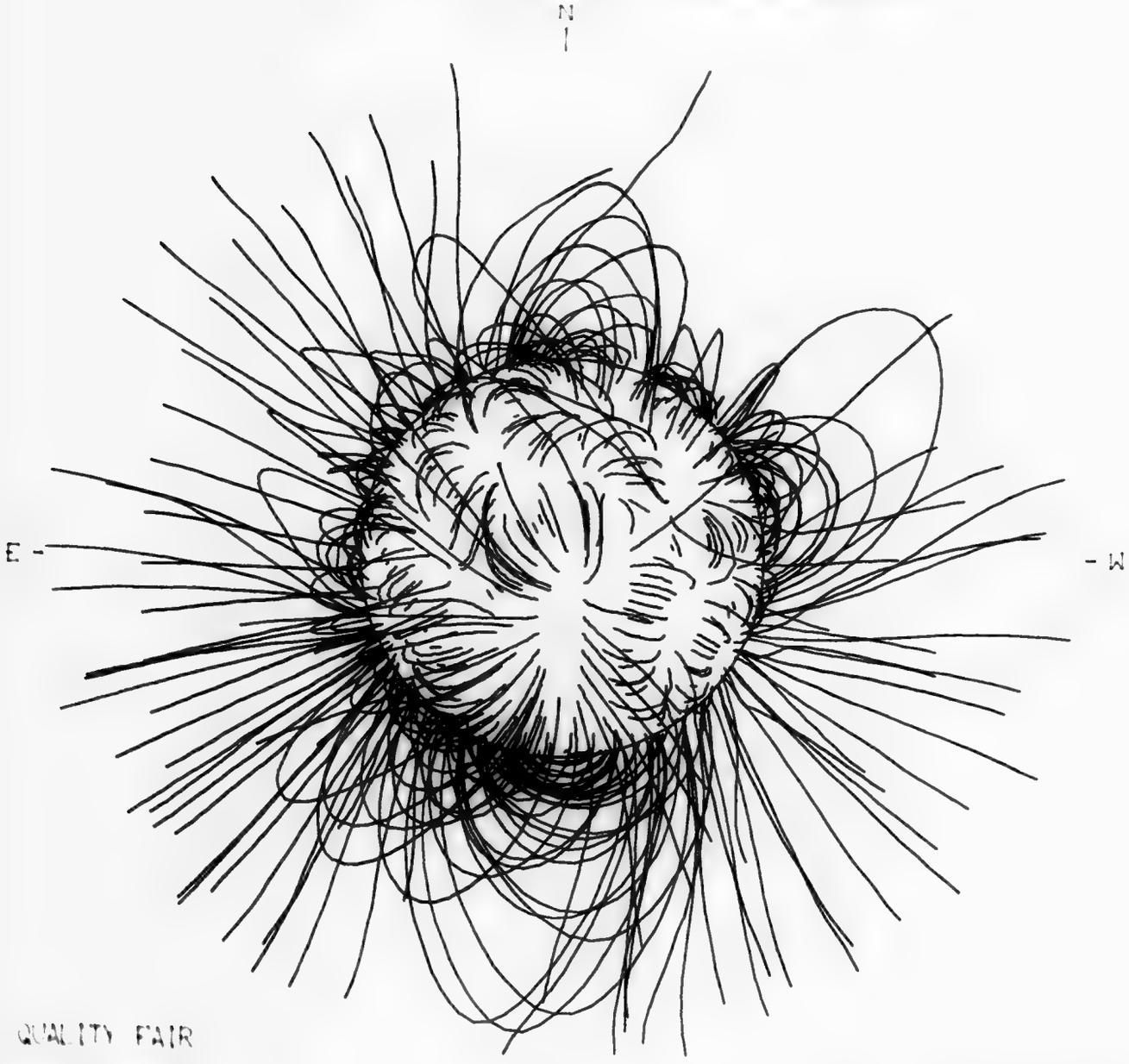
POLES DIRECT

DATA WINDOW 1456. 0

ROT. 1456 LONG. 17°

21.7 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 50°

22.5 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S

QUALITY FAIR

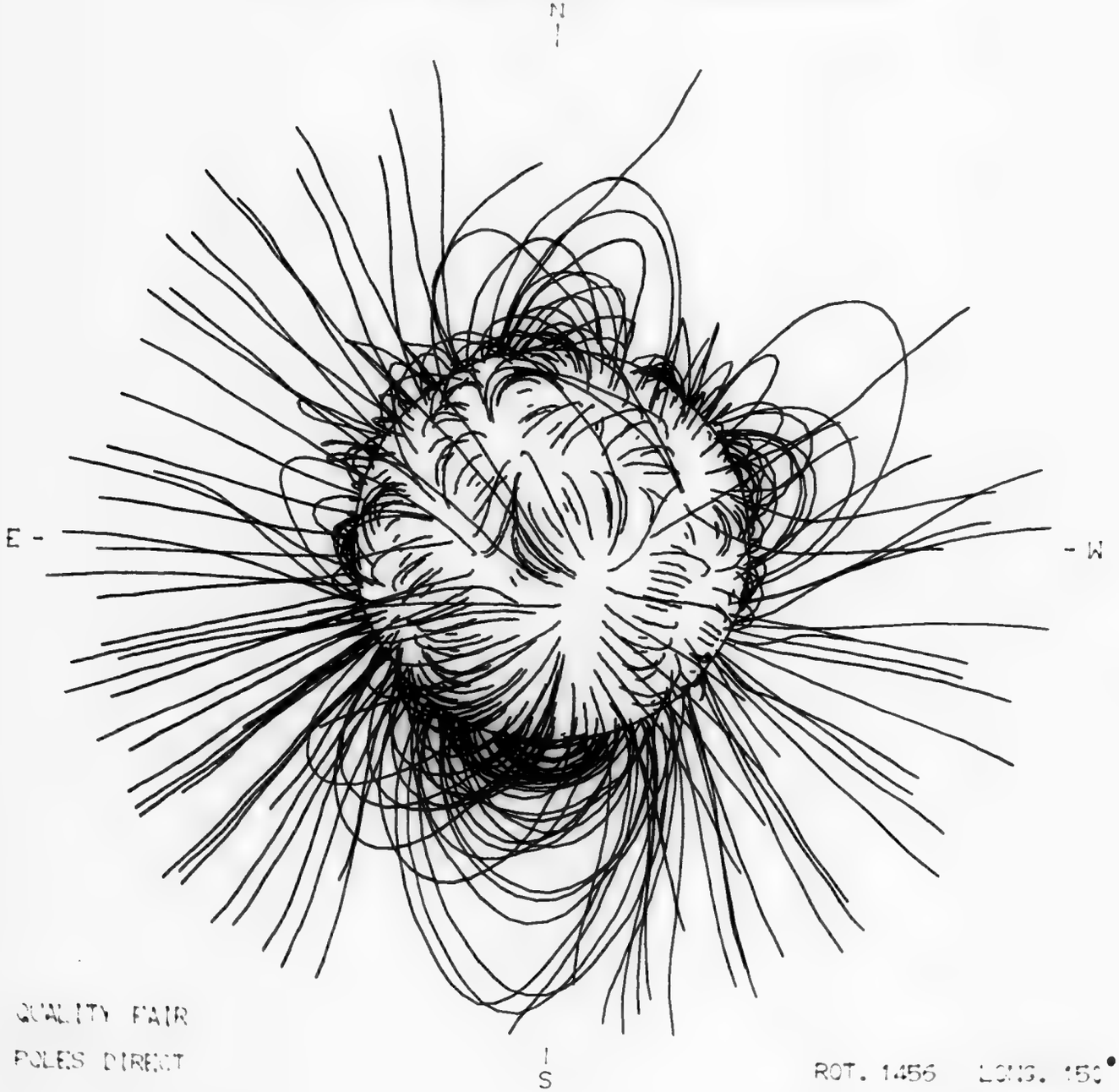
POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 150°

22.5 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1.456.00

ROT. 1456 LONG. 150°

23.3 JUL 1962

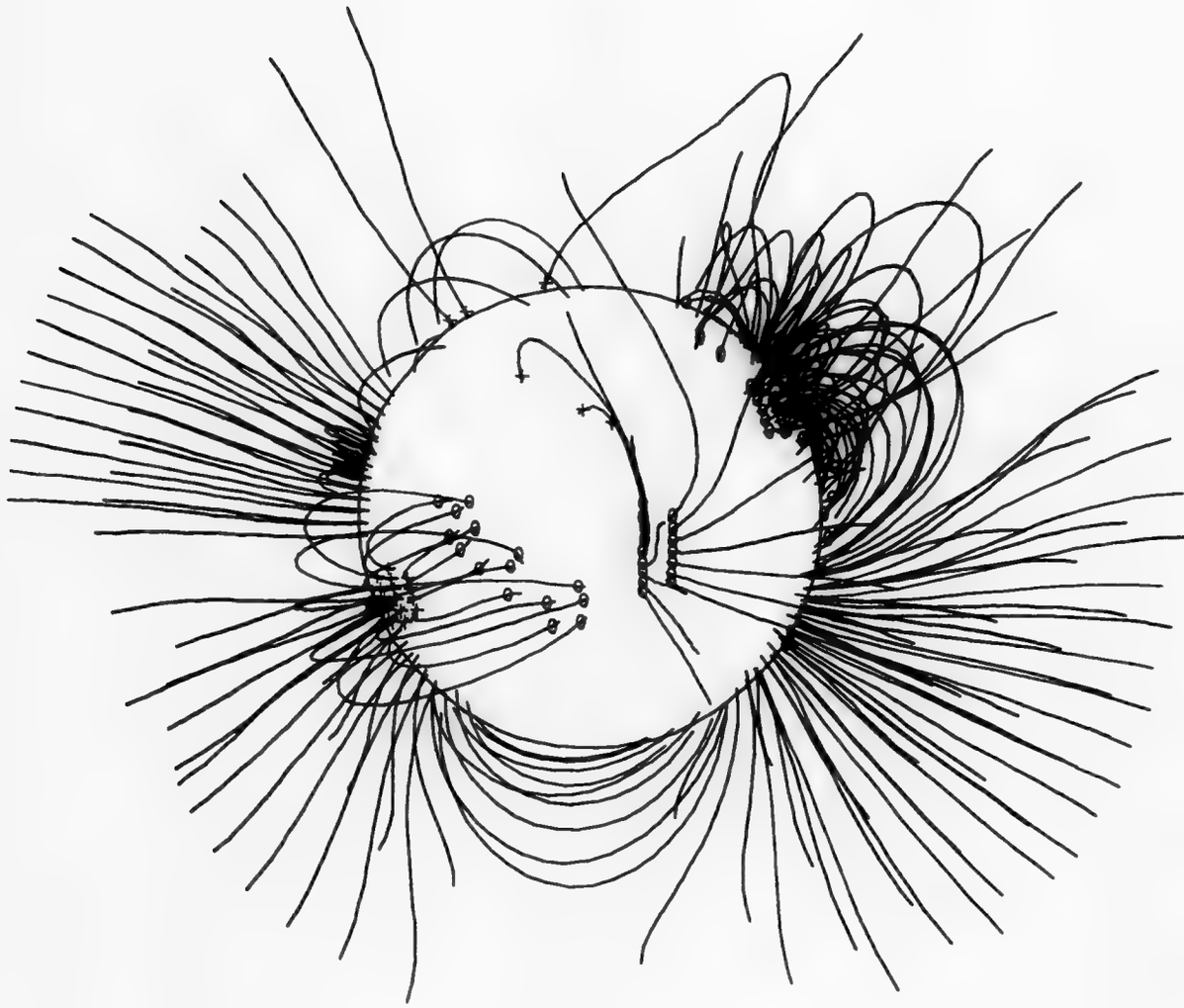
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -

- W

S



QUALITY FAIR

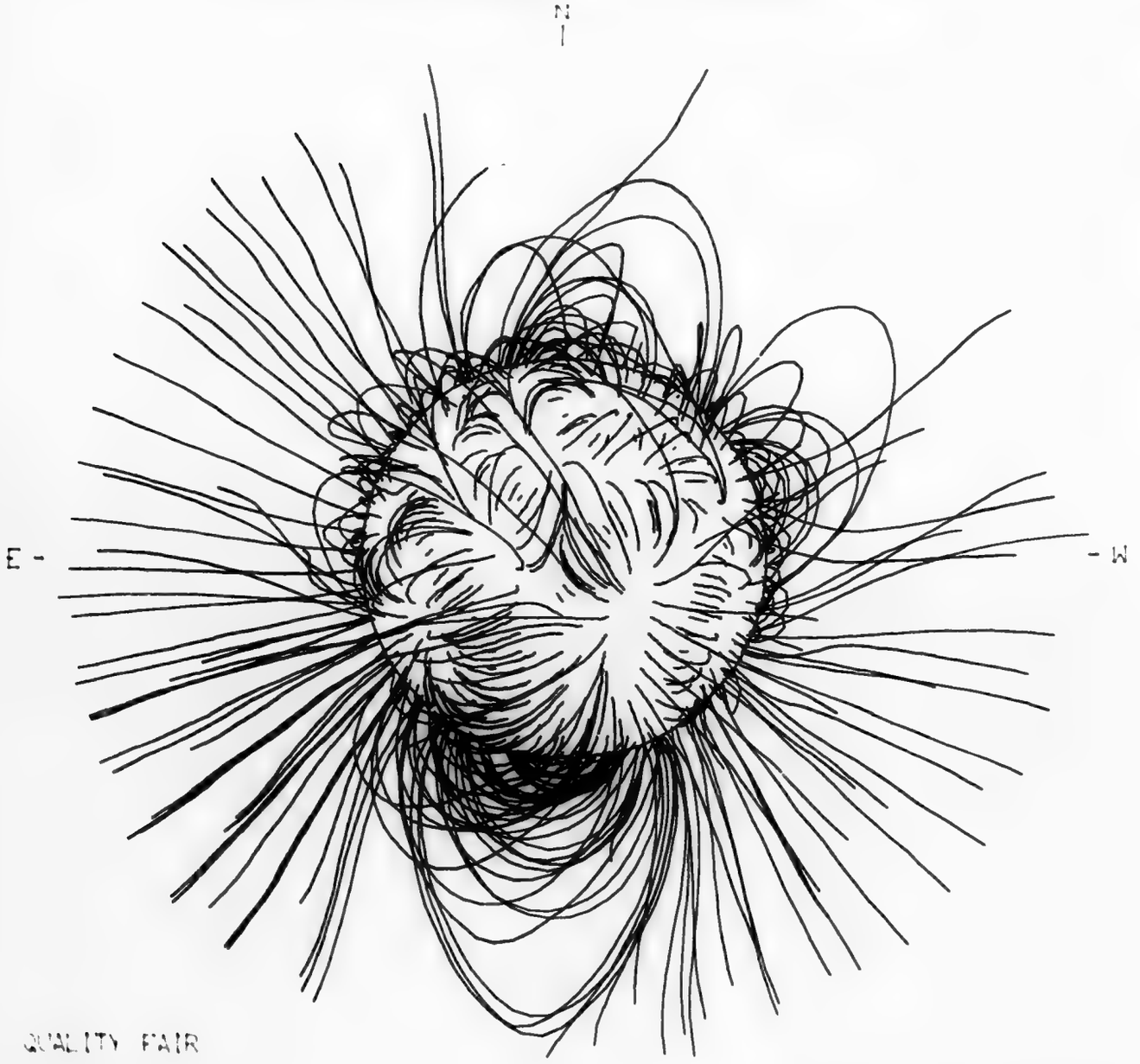
POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 150°

23.3 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

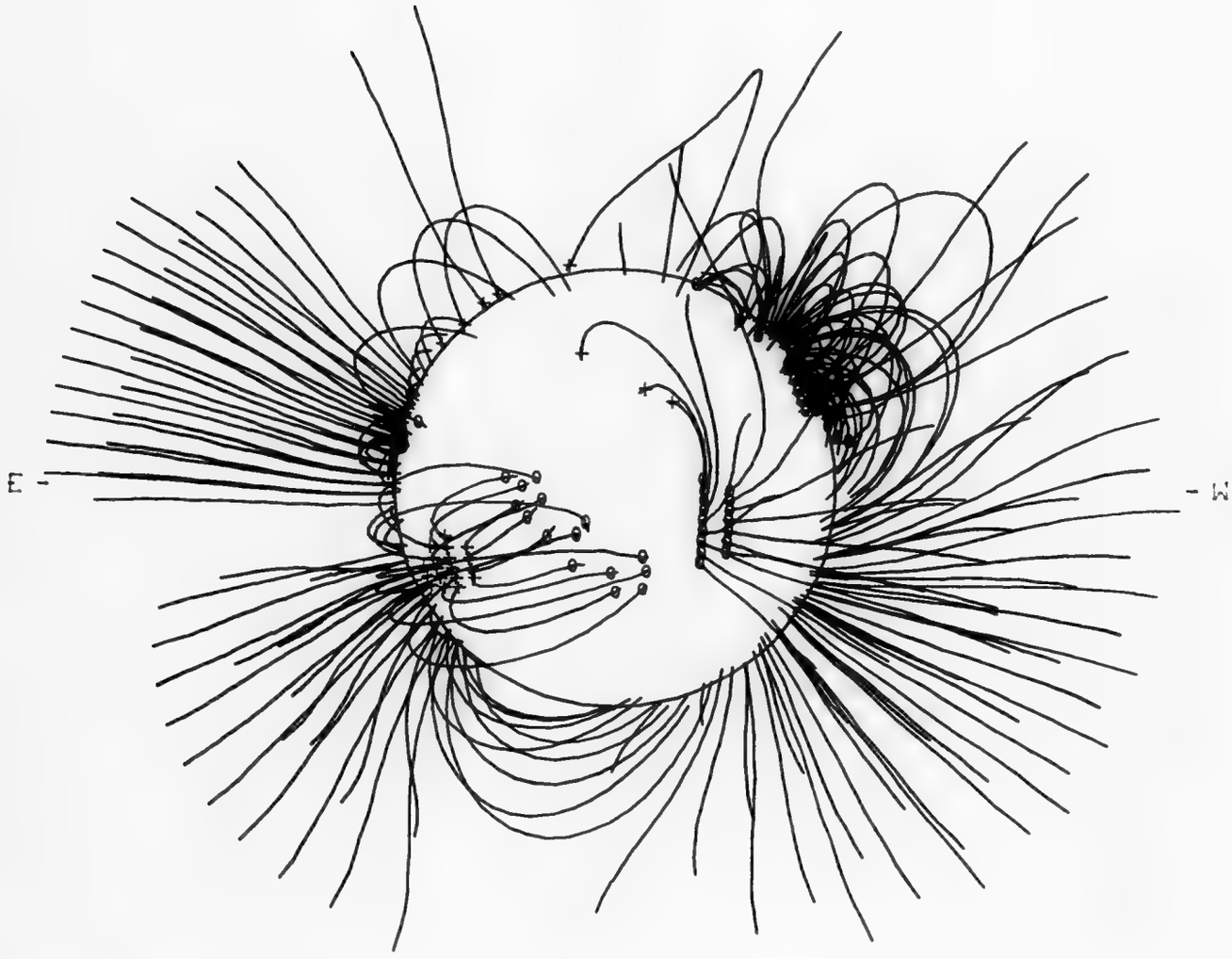
DATA WINDOW 1456.00

ROT. 1456 LONG. 140°

24.0 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



S

QUALITY FAIR

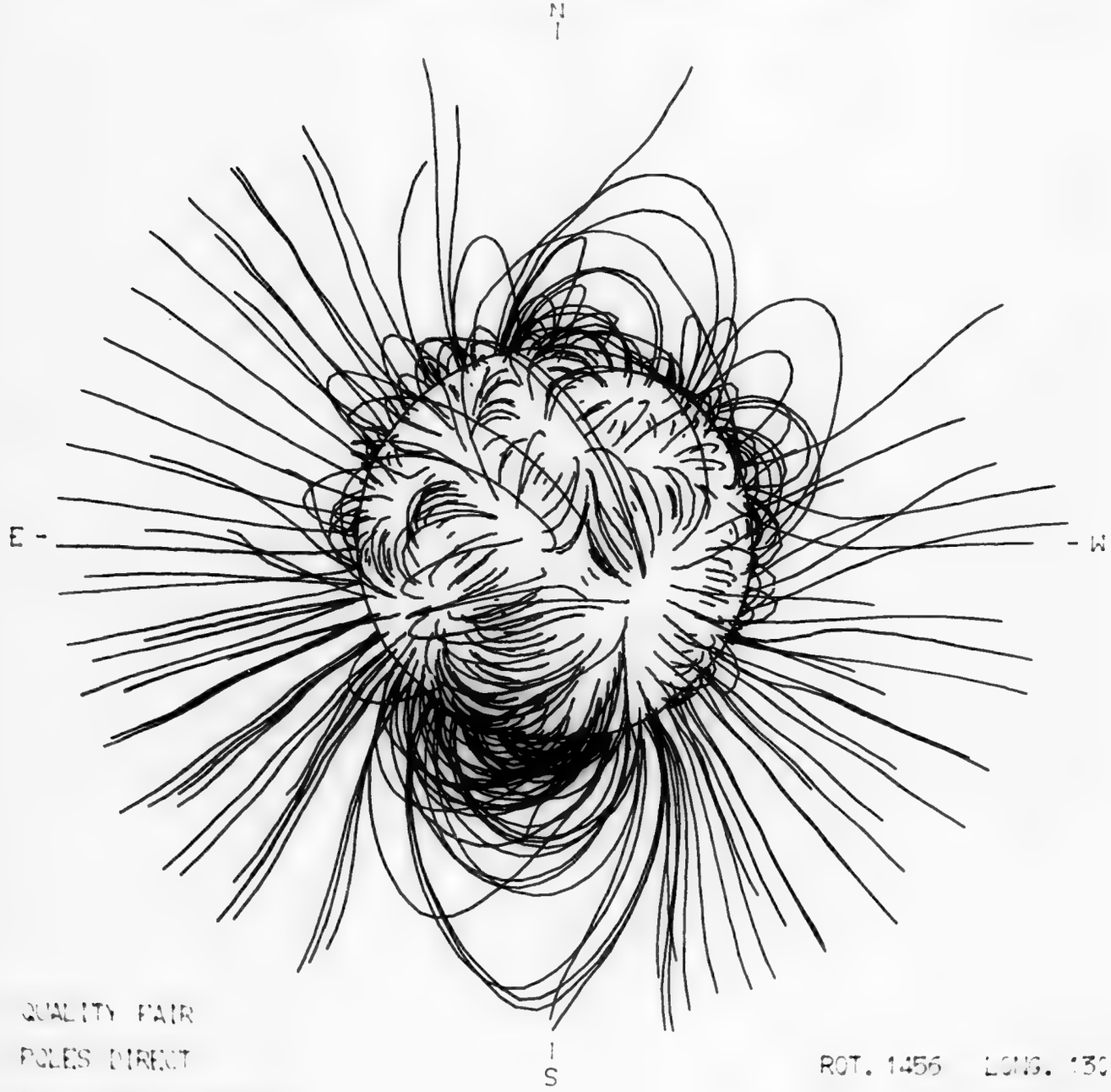
POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 140°

24.0 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

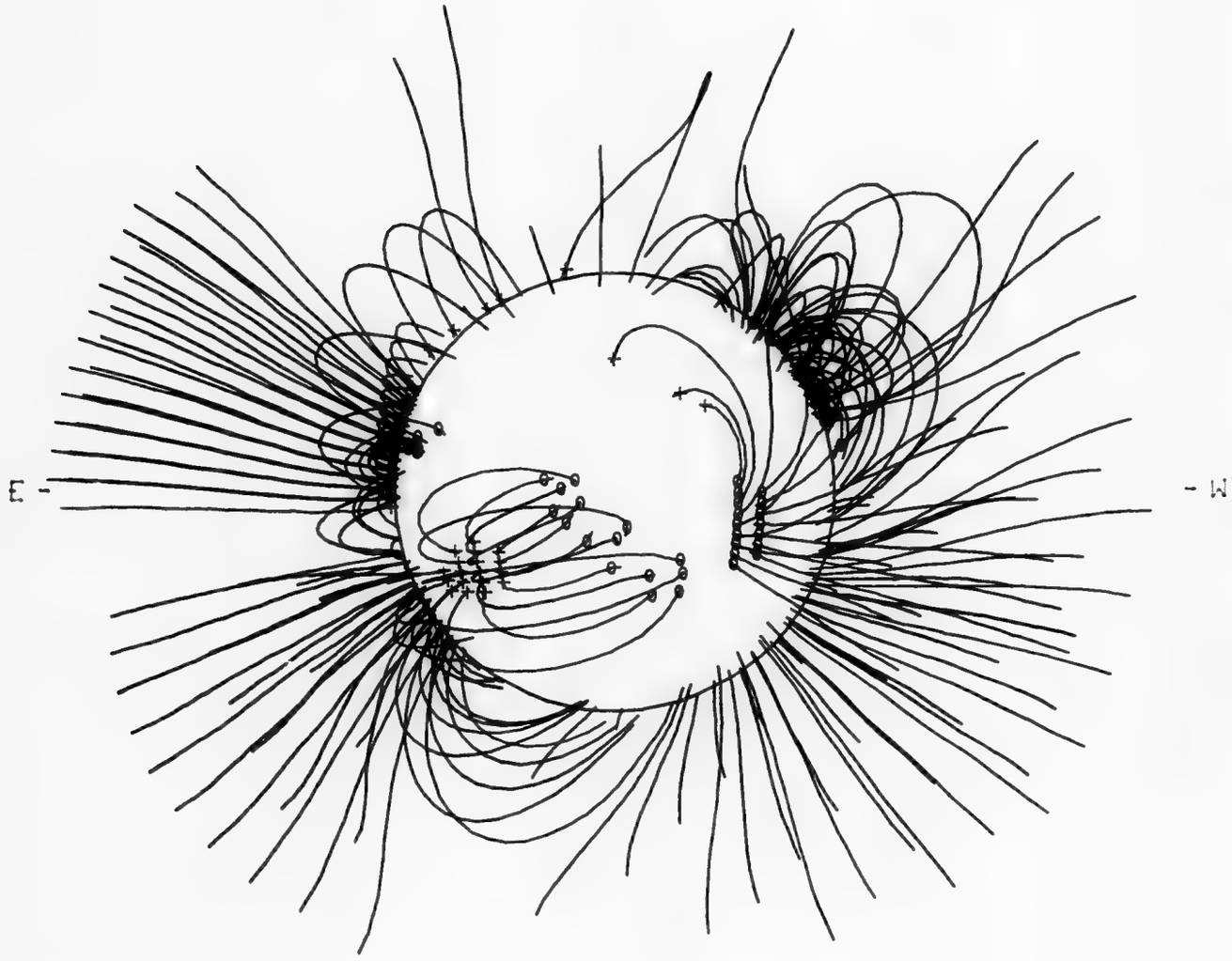
DATA WINDOW 1456.00

ROT. 1456 LONG. 130°

24.8 JUL 1952

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



S

QUALITY FAIR

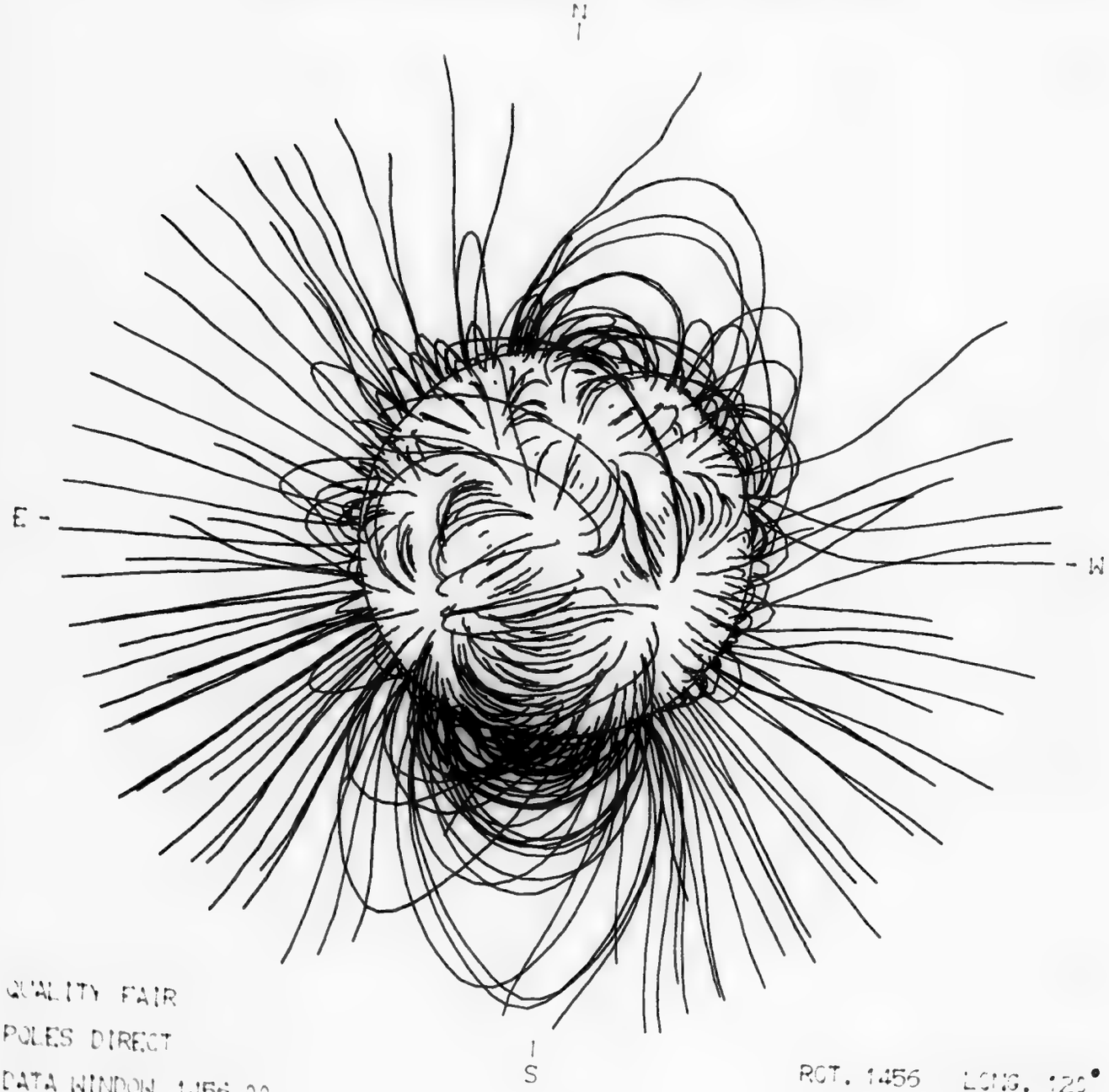
POLES DIRECT

DATA WINDOW 1.956.00

ROT. 1456 LONG. 130°

24.8 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.00

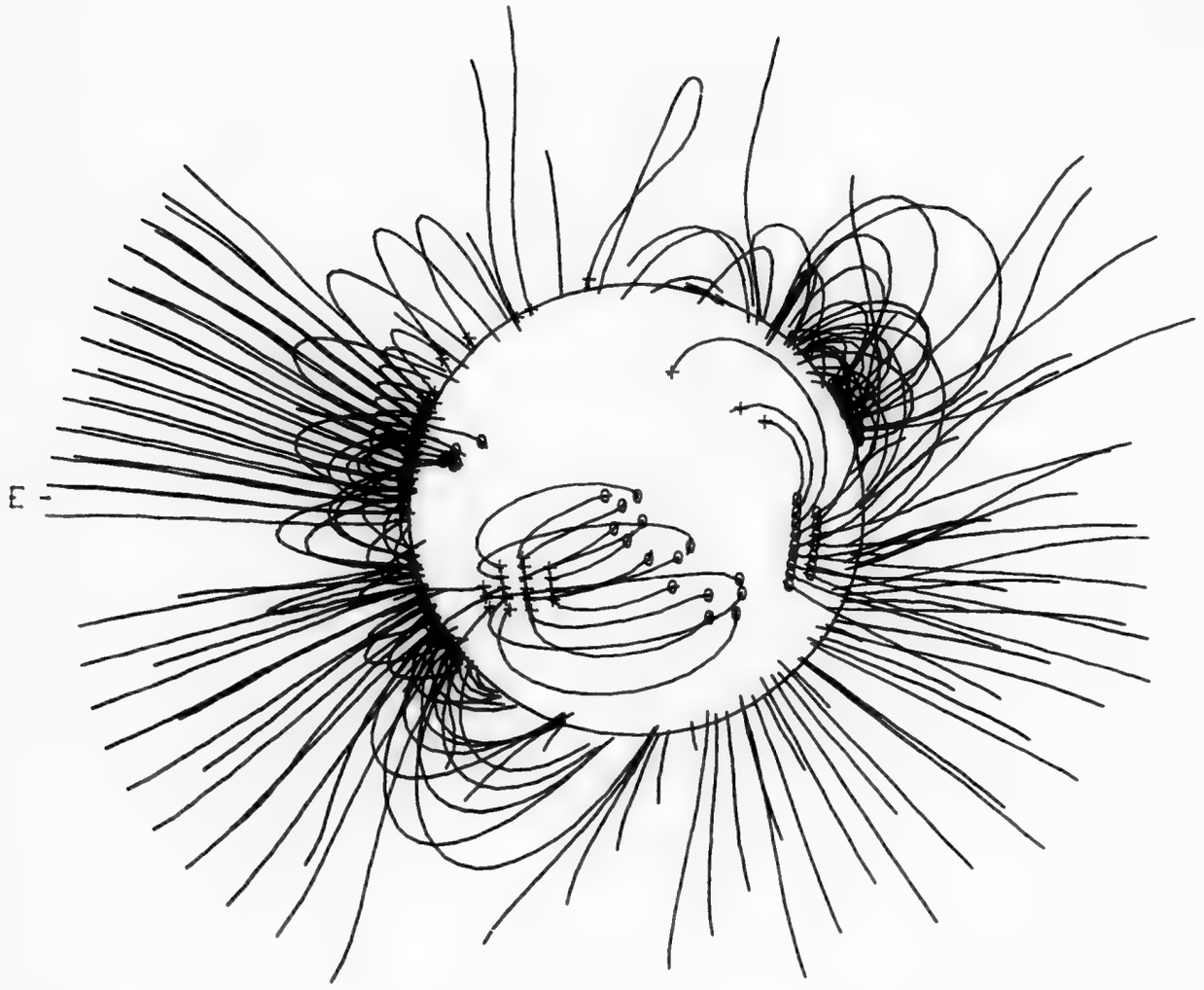
ROT. 1456 LONG. 120°
25.5 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E

W



S

QUALITY FAIR

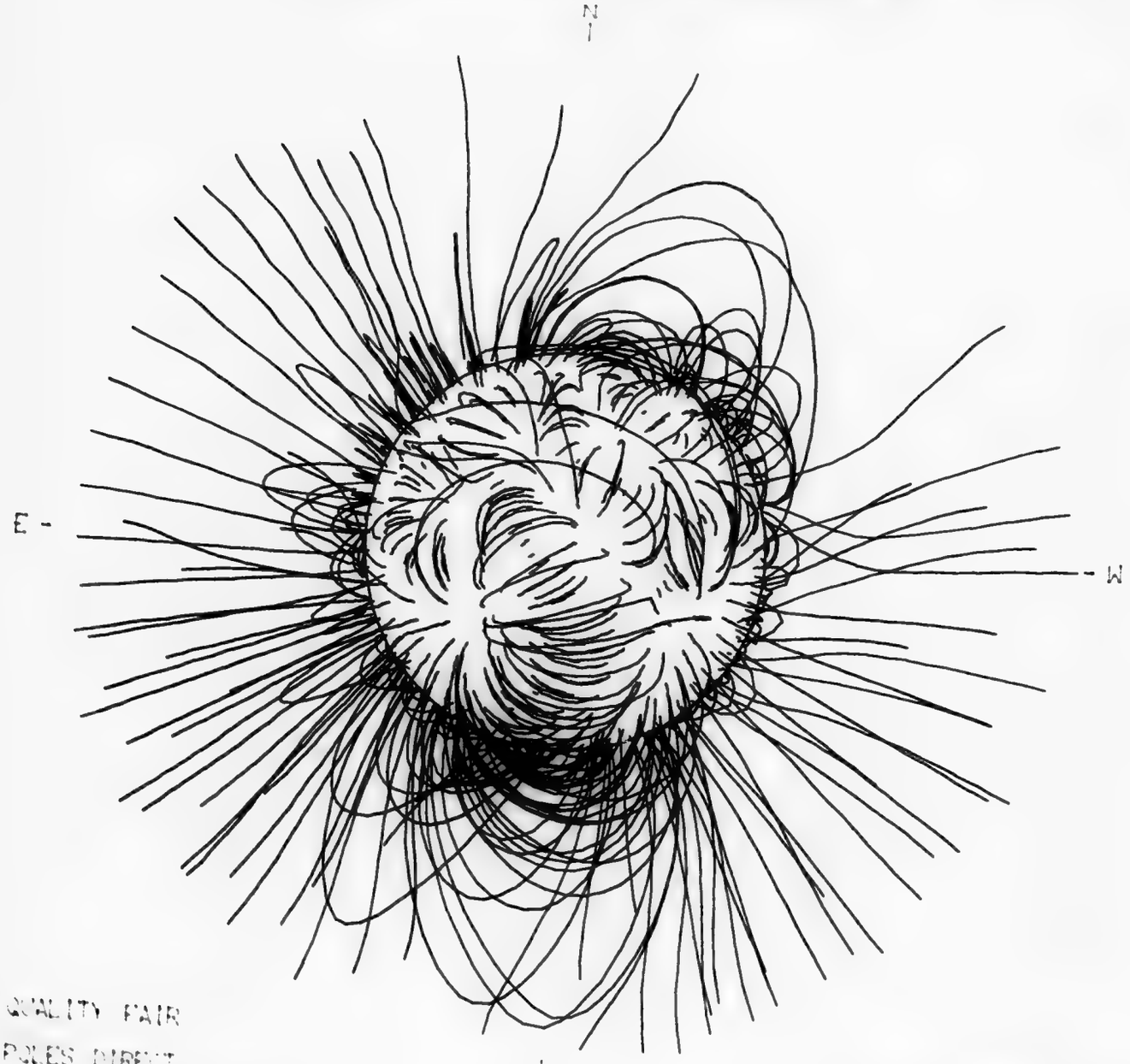
POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 120°

25.5 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 119°

25.3 JUL 1962

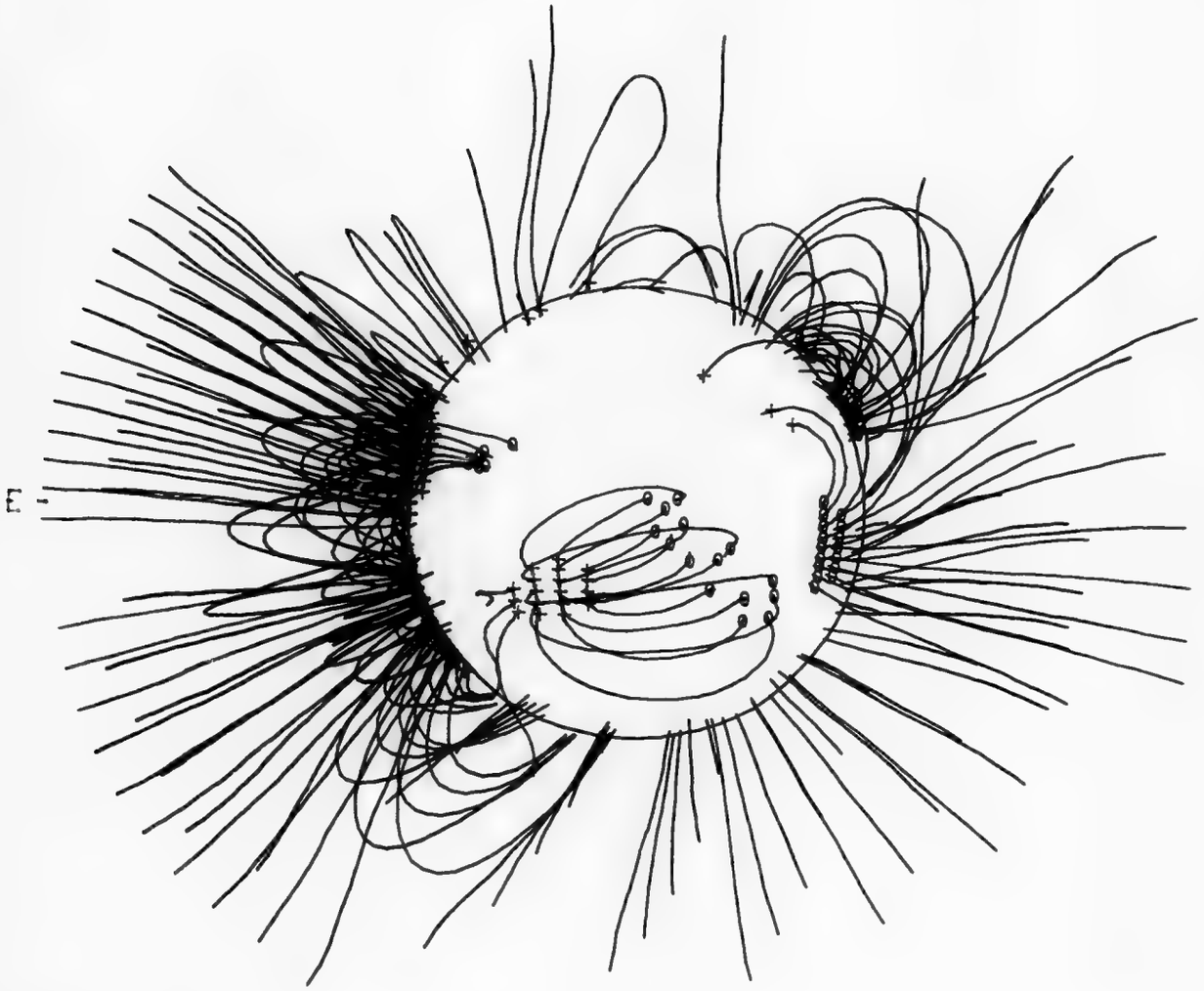
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E

W

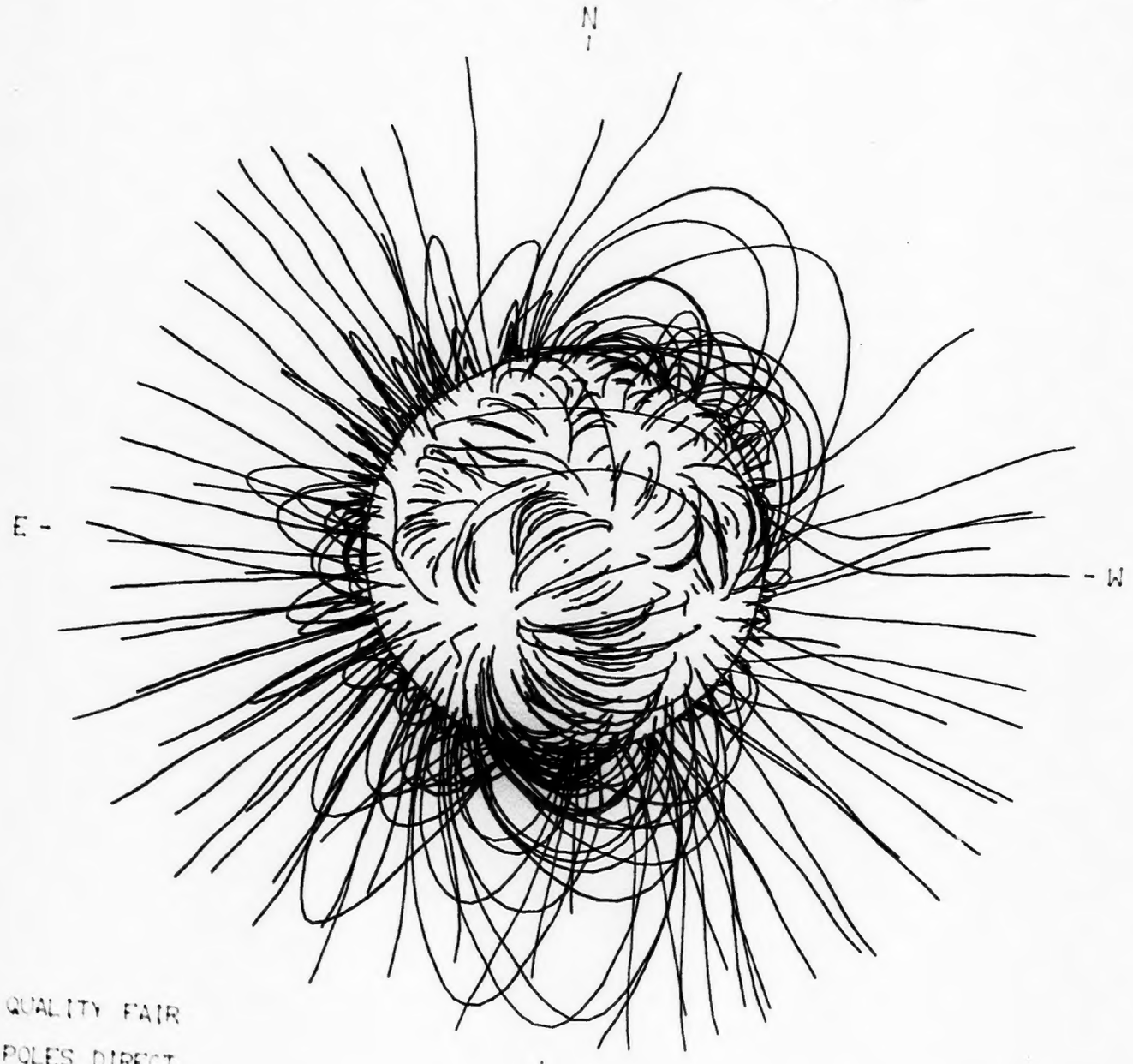
S



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.00

ROT. 1456 LONG. 110°
25.3 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

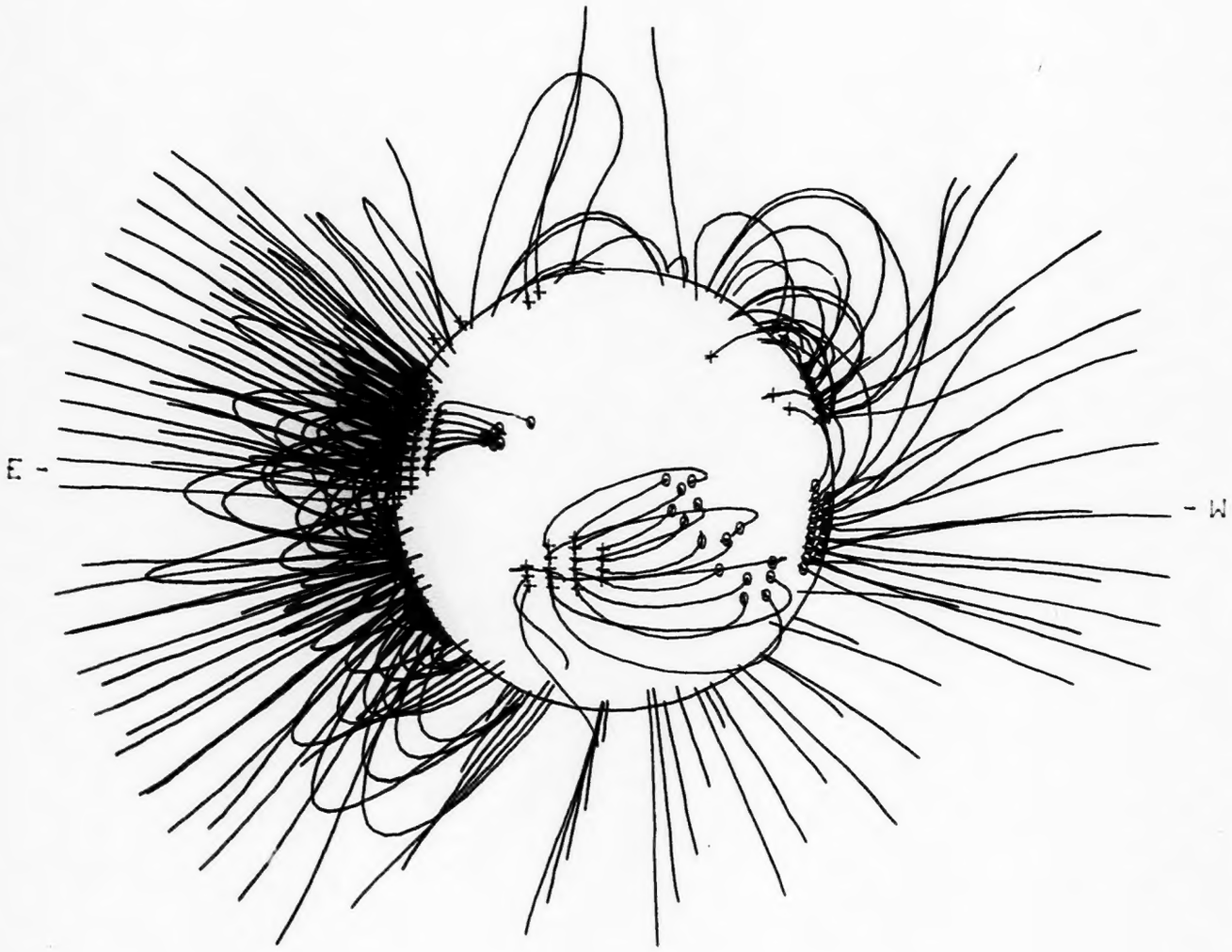
DATA WINDOW 1456.00

ROT. 1456 LONG. 100°

27.1 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



S

QUALITY FAIR

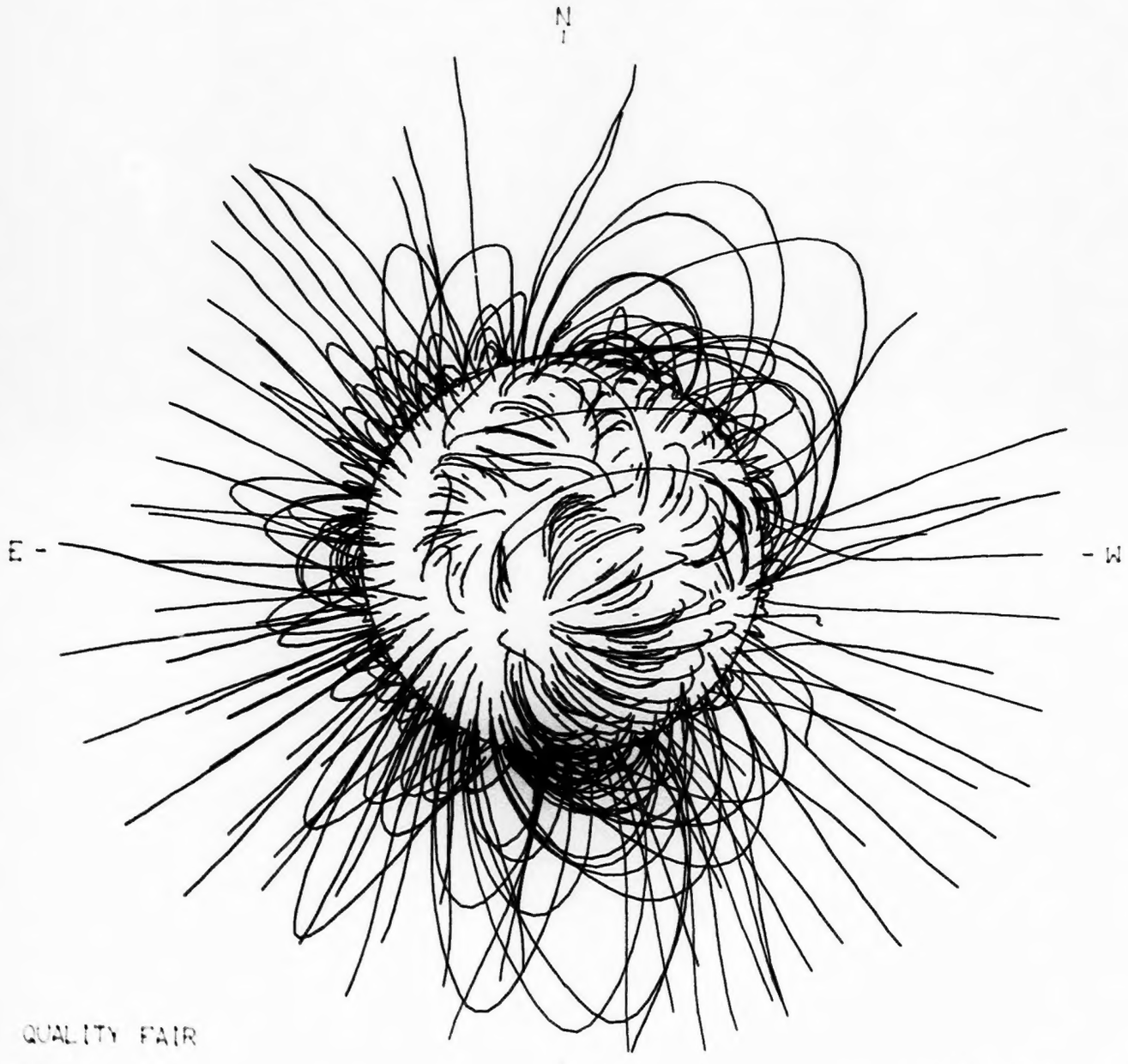
POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 100°

27.1 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

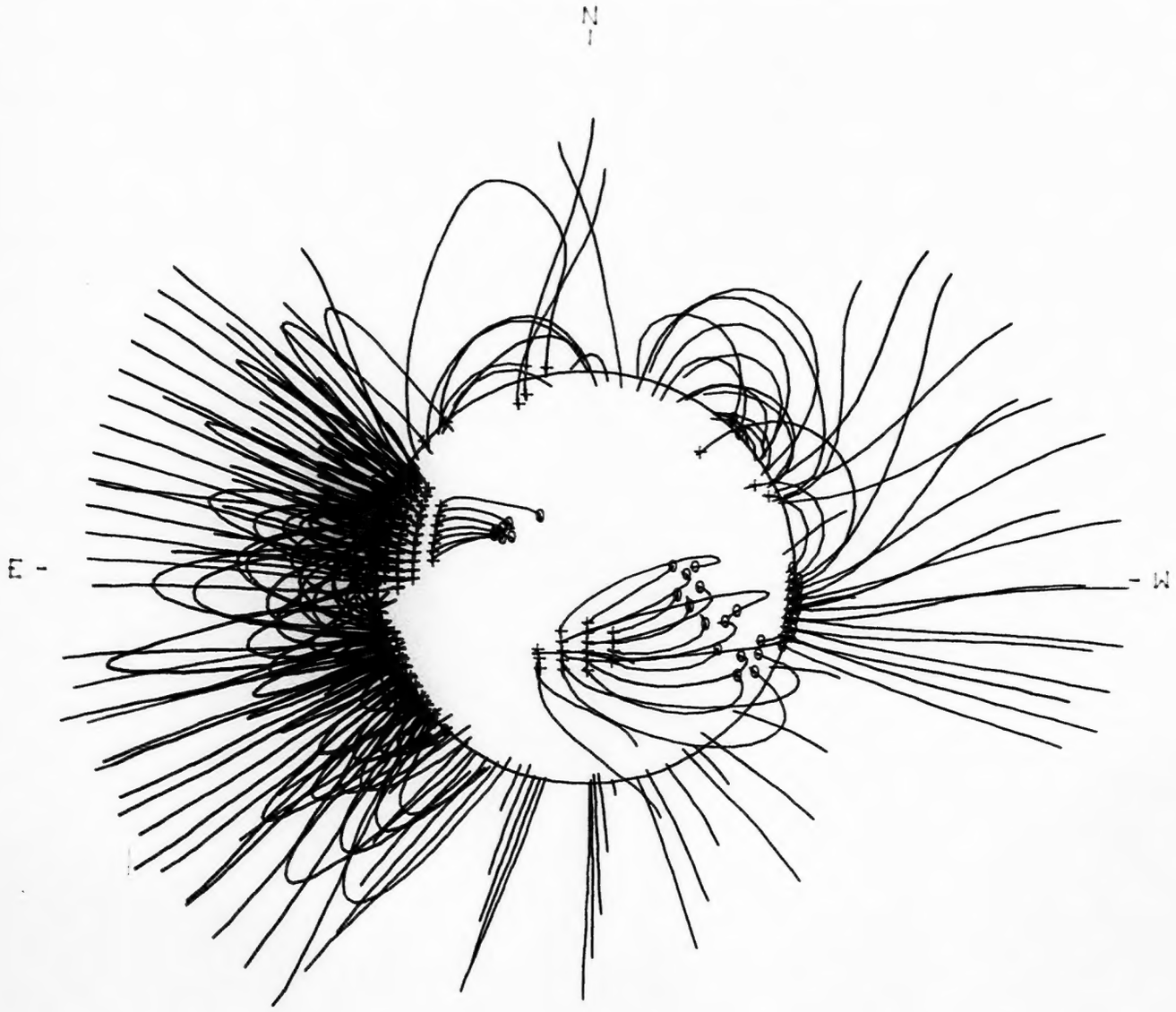
POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 90°

27.8 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1456.00

ROT. 1456 LONG. 90°

27.8 JUL 1962